

Art
ART AND MUSIC

35c
AUGUST
1958

SKIN DIVER

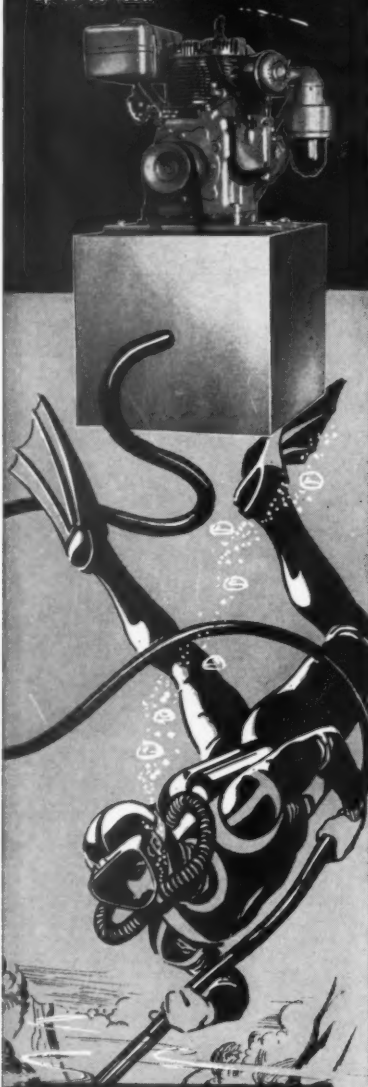
A G A Z I N E

REFERENCE

UNDERWATER PHOTO CONTEST WINNER

SKIN DIVERS DREDGE FOR GOLD!

Gold divers report startling increases in gold yield per diving hour by using the Essick portable suction dredge, often working in depths up to 90 feet.



ESSICK

WRITE FOR FREE LITERATURE
1950 SANTA FE AVE.
LOS ANGELES 21, CALIF.
MADISON 9-3341 over 25 years
leading manufacturer of low cost gold dredges

Announcements

BLUDWORTH MARINE TO EQUIP ATOM POWERED MERCHANT SHIP

Bludworth Marine, manufacturer of precision marine equipment and familiar to "Skin Diver" readers, has been awarded the contract of furnishing echo depth sounding indicating and recording equipment of special design for the new nuclear-powered N. S. Savannah.

The keel of this vessel was laid on National Maritime Day, May 22, at the plant of New York Shipbuilding Corporation, Camden, N. J.

Skin divers have been enlisted in the search for the original "Savannah," the first trans-ocean steamship, and if it is found relics will be sent to Savannah, Georgia, and Washington, D.C., and some memento will be installed on the new atom-powered cargo carrier, also the first of its kind.

GOPHER FLATS SHARK DERBY

Sunday, August 17, 1958 — 12:01 to 4:00 p.m. This Derby is open to all men and women who are licensed to fish, except members of the Gopher Flats Sportsmen's Club. To be eligible for a trophy every contestant must have a Shark Derby Ticket. Minors must have written consent of parent or guardian, and must be accompanied by a responsible adult in order to be eligible for a trophy.

There are no limitations or restrictions on methods of catching sharks. Fish and Game Laws of the State of California must be followed. Each and every shark regardless of size or specie must be brought to an official weighing station and registered.

Trophies will be awarded for sharks caught in the Pacific Ocean waters between Paradise Cove and the Mexican Border.

For further information, tickets, etc., call NOrmandie 3-5673 or NOrmandie 4-0154 (Los Angeles, California).

UNDERWATER SAFARI TO FRENCH AND ITALIAN RIVIERAS

Swissair has extended an invitation to all adventure seekers to cross the strange boundaries into the unknown submarine world and live 26 days exploring the Mediterranean depths where skin diving originated. The experienced leadership for this holiday trip will again be Albert Vander Kogel, prominent diving expert and author. "Van" has been an ardent skin diver since 1938 and began using scuba in 1946. Itinerary of the Swissair Safari is: Leave New York on September 7 for Zurich, Nice, Nervi, Genoa, Capri, Rome, Elba, Ajaccio and then back to Zurich for the return flight, arriving in New York on October 3. About 15 days of the time will be spent in diving, the remainder in sight-seeing and travel. Price of the entire tour including meals, equipment and many extras is \$1098. See your travel agent for complete details of this trip through the skin diving centers of Europe.

MOUTH-TO-MOUTH ARTIFICIAL RESPIRATION

Of all the techniques known, mouth-to-mouth artificial respiration is quick, easy, safe and reportedly the best method known. It requires these few simple steps:

1—Wipe the victim's mouth with your finger to be sure the tongue is not curled backward, obstructing the passageway for air. 2—Keep the person's chin up. 3—With one hand push the jaw forward so the lower teeth are in front of the upper teeth. 4—Close the nostrils with the fingers of the other hand.

5—Take a deep breath and cover the victim's mouth with your mouth. 6—Blow hard and deep if the victim is an adult. Blow more gently if victim is a child or infant. 7—When victim's chest rises, stop blowing; wait for chest to return to resting position. 8—Repeat at rate of once every three to five seconds.

SOUTHERN CALIFORNIA DIVERS DANCE

A general board meeting of the Board of Directors of the American Institute of Diving was held on June 20th, 1958 at which time an open invitational dance for August 23rd, 1958 was suggested and approved.

The Dance will be held on that Saturday in the Ballroom of the American Institute of Divers Headquarters at the Case Hotel, 1106 South Broadway, Los Angeles, California, and is open to all those presently connected with diving or interested in diving.

Further information about this dance may be had by calling Richmond 8-2191.

Inquiries of other clubs who may be interested in affiliating in this affair are welcome.

SKIN DIVING AND JAZZ FESTIVAL

Mel Fisher, of Mel's Aqua Shop, Redondo Beach, Calif., in cooperation with Harry B. Klusmeyer of Bay Club Productions, will present the "KING HARBOR SKIN DIVING AND JAZZ FESTIVAL" at 8:30 P.M. on Friday, August 22, 1958. The exciting show will be presented in the Redondo High School Auditorium, at the corner of 101 Hiway and Diamond, in Redondo Beach, Calif.

The skin diving sequence of the show will feature Mel Fisher, as narrator. The films "Life in The Sea", "The Big Fish Hunt" and "Caribbean Treasure Hunt" will be screened. The colorful treasure hunt sequence is from Mel's 1958 Caribbean Expedition. All of the film will be scored and narrated.

On the second half of the program, the great all-star Barney Kessel Quintet, will do a contemporary jazz set. Kessel, winner of the Down Beat, Metronome, and Playboy Magazine jazz polls will present an all-star quartet, along with himself. The sounds promise to be the very finest modern jazz on the West Coast scene. Kessel is featured in the July 24th issue of Down Beat Magazine, as the country's No. 1 jazz guitarist.

Here's a really different combination of excellent entertainment . . . skin diving and jazz on the same bill. Tickets are available at Mel's Aqua Shop, 1911 South Catalina, Redondo Beach, at \$1.75 each.

1959 • • • • •

DA "aqua-master"

THE LATEST COUSTEAU-GAGNAN DEVELOPMENT

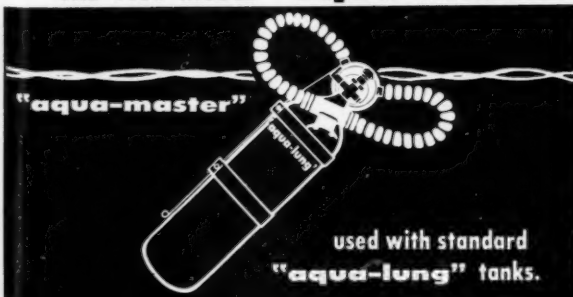


1959 MODEL 2-STAGE
"aqua-master"
WITH VENTURI ACTION.
FEATURES A HOOKAH
ATTACHMENT.

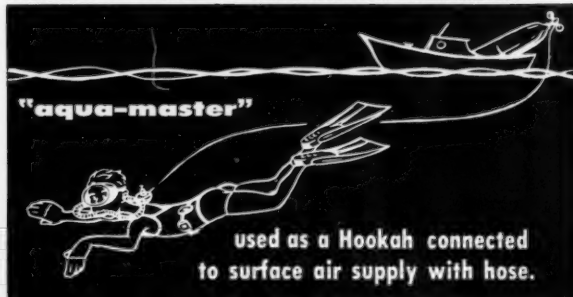
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IS THE MOST VERSATILE
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THE MOST ADVANCED, LIGHTEST BREATHING REGULATOR EVER BUILT.

HIGH SALES OF THE 1958 MODEL NO. 1010 DA "aqua-master" AND THE INCREASED DEMAND FOR HOOKAH UNITS HAVE COMPELLED OUR IMMEDIATE RELEASE OF THE 1959 MODEL "aqua-master" WHICH FEATURES A HOOKAH ATTACHMENT.



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used as a Hookah connected
to surface air supply with hose.

u.s. divers co.

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SKIN DIVER MAGAZINE

LYNWOOD, CALIFORNIA, U. S. A.

Devoted to the Underwater World
Telephone NEvada 6-0581 - 6-0582

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notes

One thing consistently missing from the pages of SD are advertisements and mentions of an outdated breathing apparatus called the "oxygen rebreather." We sincerely believe that this type of apparatus is deadly and dangerous.

We, and you, have heard many reports of the old timers who have successfully used a rebreather for years . . . or that there is a place and a use for every type of breathing apparatus. Bosh!!

You have also read the numerous newspaper accounts of the experienced skin diver who succumbed to the effects of bad air in his apparatus, just didn't come up or some other fabricated reason, and was found later. Many, perhaps all, of these stories can be traced back to the oxygen rebreather.

Oxygen and pressure don't mix well underwater and the regenerating chemicals don't mix well with water. Pure oxygen has a strange reaction on the user . . . and this reaction cannot be pinpointed generally as it depends on the diver's physical condition at a given moment. What is conclusive one day will be entirely wrong for the same individual the following day.

There are still many oxygen rebreathers being used by the military divers . . . and this is something else again. The military diver is trained many long hours in the use of oxygen and the diver himself is thoroughly examined regularly. Also, the military diver always swims with a buddy or three or four other divers. Unfortunately this is not always true of civilians. This necessary training is not available to the civilian diver, nor is the periodic medical examination. A civilian diver just isn't prepared or educated to cope with the complications of sodalime, baralime, oxygen, pressure and valves sticking out all over him while underwater.

This blast at the outmoded oxygen rebreather was caused by the recent flooding of our surplus stores with said gear. The clerk in a surplus outlet doesn't know what dangers can come from this unit. What he does know is that it cost the government about \$190 and that he can sell it to the unsuspecting, gullible youngsters in the neighborhood for \$30 and make a nice profit from the strange mass of rubber hose, canvas bag, oxygen tank and brass valves.

The military heads in charge of surplus don't release unused hand grenades, dated ammunition, machine guns, etc. for public purchase. Why, then, do they allow these murdering oxygen rebreathers to be sold? These units should be dumped in the deeps or burned and destroyed just as they do live ammo.

Slowly and gradually the oxygen apparatus is being banned internationally because of the convenience, simplicity and safety of using compressed air. England was one of the first to make the step, followed by Norway and others. This ban is imposed by the diving associations, not the governments. Why don't we follow suit and end the use of oxygen in civilian ranks?

Chuck and I would like to have your comments and a suggested course of action to keep these death instruments out of the mouths of our young, untrained divers who are looking for a cheap unit.

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august cover

FIRST PLACE WINNER of the Skin Diver Magazine Giant UW Photo Contest is this month's cover picture taken by JAMES C. STARK of Pittsburgh, Pennsylvania. The photo was made with a Rolleimarine near Marathon, Florida. Film used was Panatomic X; 1/125 speed at f:11; depth of water is 40 feet; visibility about 150 feet; no flash or special processing was used. Jim Stark was elated upon receiving the news that one of his pictures had won the contest and immediately started making plans for his trip for two to La Paz, Baja California, Mexico. He will also receive \$150 expense money for the trip. Congratulations to Jim and the other winners (see Page 15).



SKIN DIVER—August, 1958

SCUBA DIVING

"first class"

Swimming Fins —
Cressi Rondine De-
luxe Floating and
Black Rubber, Web
Feet, Water Dogs
and others.

Exposure Suits —
Coronado and, Carib
"Wet" and "Dry"
type.

Scuba Regulator — with
built-in depth compen-
sated air reserve.

Diving Acces-
sories — Sub-
marine Liquid
Compass, Mako
Shark Under-
water Camera

Masks and Gog-
gles — Pano-
ramique Wide
Angle, Espadon,
Cressi and
others.

Spear Fishing
Guns — Espadon
and Peche-Sport
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UTILITY BOAT

Perfect for the diver and barrels of safe fun for the entire family. It's light, tough—easy to store and to use. Double gauge laminated blue vinyl with "Tube-In-Tube" safety design. 8' x 4 1/2'.

15" deep. Complete with Life-Line, Sea Anchor and Inflato-Bag.

Specially designed to accommodate Voigt Air Mat to give added buoyancy and rigidity. Diagram furnished for building and installing seat.



TRIDENT GUN

Your best bet in dense sea growth, rocks or coral. Triple-barbed. 20" barrel.



EXPLORER REGULATOR—Built-in reserve. Combines with standard valve and single tank to give you safe, superb scuba for less than \$100.



BASIC DIVING GEAR

Built for the expert in a wide range of prices, sizes and designs.

Better see your Voigt dealer. He has some terrific new items guaranteed to interest you and every other expert diver. Then, too, he carries the traditional favorites that have made Voigt the leading name in swim equipment. There's much more to tell, so be sure to see your Voigt dealer and find out what's new!

America's Finest Swim Equipment By
NEW YORK 11 • CHICAGO 11 • LOS ANGELES 11

VOIGT

LETTERS

... We are members of the Levittown-Fairless Hills Rescue Squad and have formed a diving team for rescue work. We would like to hear from any other such rescue team or squad. We want to know how they work, type of equipment, and any other information that will help us to be a credit to our Squad and give a good accounting for scuba diving in this region.

—Frank J. Schweitzer
5 Pond Street
Bristol, Penna.

... I have enclosed three magazines to show you what the Sea Devils have done regarding the Divers Flag. If all clubs get on the ball, there won't be a boatman who will not be familiar with the Flag.

Tony Cassano, our club news correspondent to Skin Diver, will leave for the Army soon. He will be replaced by Art Santos. I guess Tony will let you know about this in his next, and last, column. We will also lose Rene Gagnon to the Army. Both boys will be back after a six months tour.

—Will Jacobs
Hartford, Conn.

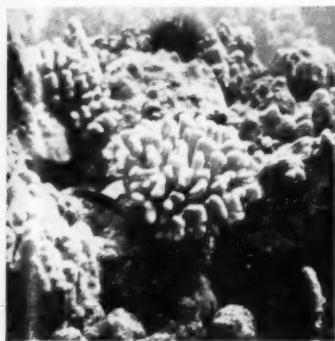
... It's been over a year since I last wrote you and I doubt if you remember me. Lots of things have happened since I resigned from being president of the Indianapolis Aqua Divers. As you know I was trying to get into U.D.T. when I last wrote you. Well, Jim I'm very proud to tell you after 16 weeks of hell at Little Creek, Virginia, I am now an official member of the Underwater Demolition Team-21. It was a lot of hard work to become a frogman, but what a proud feeling it gives you once you have made it. We started out with 97 men and graduated 27. As compared to other classes, we graduated quite a lot.

Well, they tried every way in the world to make us quit, but we were just too stubborn I guess. Once you get into the team it's a lot different, plus a lot of fun. We made all of our long distance swims including our seven mile swim in Puerto Rico. Of all the places I have been, this is one of the most wonderful islands there is. The diving is wonderful and if you treat the Puerto Rican people right, they will certainly welcome you with everything they have. After seven weeks in beautiful Puerto Rico, I hated very much to leave. We went to Puerto Rico by ship and flew back. I think the trip by air was the most beautiful. Another summer has arrived at Little Creek, so I am looking forward to spending a lot of my time at Virginia Beach. They say the sights are worth seeing.

—Joe Vogel
Norfolk, Va.

SKIN DIVER—August, 1958

... Have just finished fifteen days diving Kona Coast Hawaii. Tell all coming on HAWAII Skin Diver Tour to bring cameras and spear guns. Water is fine. I am leaving for TAHITI with the "Four Winds" on July 11. Aloha, E. R. Cross.



Sub-Seascape of Kona by E. R. Cross.

... the May issue, page 43, carried a story on "Heli-Divers See Action". One of the pictures illustrating this article shows the injured pilot being pulled aboard the life-guard boat. The procedure used leaves much to be desired in any case and particularly for a person with the injuries listed.

A much better procedure would have been to place a stretcher into the water and float it up under the injured person. He could then have been lifted or hoisted out of the water on the stretcher. This method would have minimized pain from handling and reduced the possibility of additional injury.

—John C. Jones, Jr.
Fort Lauderdale, Fla.

... This is to inform all clubs of a change of address for the Olympic Lancers. The new club address is: Olympic Lancers Diving Club, c/o Bill Fisher, Sec., 2613 Reid Avenue, Bremerton, Washington. Please address all correspondence to this new address.

—Bill Fisher

... I received the June issue of SD and found page 6 with the picture of Bettie Page. She is a honey. I'll have to hock my boat yard and go south. You don't see anything like that in Jersey. In fact they don't allow it. The Undersea Research Group use my yard for their base of operations. We expect to do a lot of diving this summer. Everyone has been looking at my June issue, if you drop it now it automatically opens to page 6.

—Capt. Jack Remsen
Sewaren, New Jersey

... I am fourteen years of age and tremendously interested in the skill of skin diving. I haven't had a really good chance at skin diving though I'd give anything to learn the real technique. My father has fins, mask and snorkel which I am allowed to borrow and during the summer my mother takes us to Greenwood Lake or other places where I have a chance to explore to my heart's delight.

I would like to receive information on how to skin dive, where, when, what to avoid, etc. and also, a pen pal who is also interested in skin diving, preferably a girl. Thank you very much.

—Genevieve Flores
520 Springfield Avenue
Newark 3, New Jersey

(Newark clubs, invite this young lady to your pool meetings and show her the ropes of diving. She deserves it.)

(Continued on Page 10)

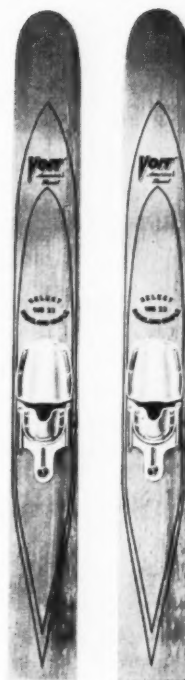
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Select Mahogany and Highland Maple,
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Exclusive new Fittings and Molded
Toe and Heel Pieces

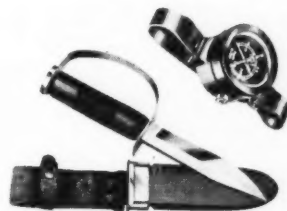
Backing this line is the most straightforward guarantee in the business. Voit will replace any damaged ski, whatever the cause, for \$5 plus shipping charges!

That's news!



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Your best bet
in dense sea growth,
rocks or coral.
Triple-barbed. 20" barrel.



DIVING ACCESSORIES—For greater safety and enjoyment—depth gauges, knives, weight belt and waterproof cases.



BASIC DIVING GEAR

Built for the expert
in a wide range of
prices, sizes and designs.

Better see your Voit dealer. He has some terrific new items guaranteed to interest you and every other expert diver. Then, too, he carries the traditional favorites that have made Voit the leading name in swim equipment. There's much more to tell, so be sure to see your Voit dealer and find out what's new!

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pure air for him*

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1958

driven by Continental
gasoline motor
Deliver 113 c.f.h. (3,2
m³/h) at 2850 lbs sq/
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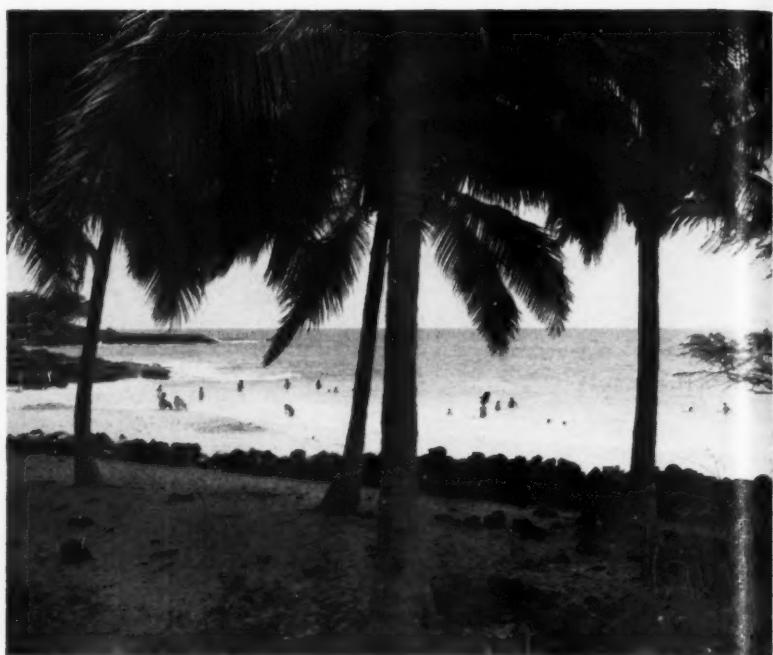
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—HAWAII VISITORS BUREAU

LAST CALL FOR HAWAII SKIN DIVER SOJOURN

This is the last call for passengers and vacationists who will be joining the Official National Skin Diver Tour to Hawaii. The Tour starts on September fifth from Lockheed Air Terminal, Burbank, California when the diving fraternity members and their friends will load their equipment and luggage onto the Transocean Air Lines Super H Constellation and leave for eight diving days in Hawaii. September 13 is the return date for the tour.

Hotel accommodations for the divers have been arranged at the Waikiki Biltmore in Honolulu and at the Hotel Kona Hukilau in Kona. Transportation between Kona and Honolulu is via Hawaiian Airlines in their sleek Convair 340's. Both Transocean and Hawaiian lines feature pressurized, air-conditioned service.

To the diver the tour will mean five days in the waters off Kona. This location has been picked as the best possible place in the whole island group for the divers to enjoy every phase of their underwater sport. The best fishing, shell collecting, clear water for photography . . . just everything needed . . . may be found in the coves and reefs adjacent to the Hotel Kona Hukilau on the Kona coast of Hawaii. Plen-

ty of equipment will be available for rental, however it is suggested that your favorite mask, fins, snorkel, regulator, etc. be included in your luggage. And don't worry on this count either, Transocean has made arrangements for a generous 55-pound baggage allowance.

For the missus the tour will mean five days of relaxation and sight-seeing (or skin diving, and it should) in Kona and then two adventure packed days visiting the fabulous island of Oahu and the city of Honolulu. The major portion of one day will be a six hour scenic tour to Mount Tantalus, Manoa Valley, Iolani Palace, etc., all of those exotic places that you have heard of in Hawaii. There will be a luncheon at the world-famous Waioli Tea Room, the luxury of an authentic Hawaiian Luau feast, outrigger canoe rides and a visit to the Dole Pineapple Cannery. At the conclusion of the two day visit to Honolulu the party will be guests at a special "Aloha" dinner.

Enjoy Hawaii and its underwater paradise, dive and fish at selected sites on the Kona Coast, participate in daily planned vacation activities that are pre-arranged and conducted by a tour escort. All of the extravagant tropical beauty of America's Pacific paradise will be yours for eight full days. Reservation time is going fast, remember the tour starts on September fifth. Total price of the package tour is \$328.22 including tax and a \$50 deposit will hold a seat for you and yours, with the balance due on August 5. Transocean Air Lines also has a convenient "fly-now-pay-later-plan" that many divers will be using. Come on, Malahini.

SKIN DIVER—August, 1958

World's Most Complete Skindiving Headquarters

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ENICAR SEA PEARL 600

Improved model of Healthways famous 100 fathom watch. Strongest stainless steel case ever made. Full 1 year guarantee. Improved Ultrasonic movement, ultra luminous dial and hands, unbreakable mainspring, waterproof band, rugged yet attractive. Guaranteed waterproof to 600 ft., shock protected—bayonet back.

Sea Pearl Mfg. price \$65. Our price **\$26.95 plus tax.**

No cleaning or oiling needed for 3 years. Only Enicar watches run 15,000 miles (3 years) without an oil change.

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CENTRAL SMASHES PRICES OF THESE FAMOUS MAKE WATCHES. By special agreement with the manufacturer, only Central can save you up to 50% and more.



Sherpa Diver

Sea Pearl

Sherpa

SHERPA & SHERPA DIVER

These top quality Enicar watches include all the deluxe features of the SEA PEARL 600-PLUS. These famous watches made the climb to the top of Mt. Everest. The finest SELF-WINDING 17 jewel movement ever used for depths to 600 ft. or the highest mountain.

THE SHERPA is luminous and automatic with the face of a dress watch yet the rugged dependability of a top quality underwater watch.

SHERPA DIVER is the deluxe automatic featuring a moveable bezel to record exact submerged time. Extra luminous face and hands make it a striking dress or diving watch.

Sherpa Mfg. price \$95. Our price

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Sherpa Diver price \$99.50. Our price

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REGULAR PRICE	SIZE	WAIST	WEIGHT	HEIGHT
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	Medium	32-36	150-175	5'6"-5'10"
85.00	Large	34-38	170-205	5'9"-6'1"
90.00	X-Large	36-40	195-235	6'0"-6'3"

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First quality and brand new. This terrific low price made possible by CENTRAL'S fantastic buying power. This is the answer to your underwater suit problem. Here is a "dry" suit that needs no underwear because it is also a "wet" suit. The seams are taped, reinforced and vulcanized. The cuffs are tight; the pants and shirt roll together; the attached hood is joined by the same strong rubber; soft, pliable, yet extremely tough. The water cannot get in ("dry type") but can only seep in slowly ("wet type"). Sleeping in slowly, the small amount is easily warmed by the body. (No need for underwear.) This extremely durable 3/16" skin both sides foam rubber suit is imported from France. The full length pants have rubber suspenders. The long sleeved shirt has the hood attached. You also get boots, waist sealing ring and "Rubber Dust." USED BY THE UNITED STATES, BRITISH, FRENCH AND ITALIAN NAVY FROGMEN. EXCELLENT FOR SALVAGE OR SPORT DIVERS.

NOW \$37.50

FOR ANY SIZE

CLUB PRICE \$29.95 ea.
3 or more



COMPASS DEPTH GAUGE

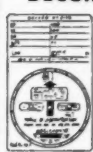
Liquid filled compass with Bourdon principle depth gauge. Extremely accurate, luminous, rugged, non-corrosive nickel plated brass case with heavy duty wrist band. Easy to read 2' increments 100' model **\$12.95**

AQUAPHONE



Very clever sound powered underwater speaking device that can be placed in a mask or utilized with any regulator mouth piece with the exception of the Northhill. Good for limited conversation or attracting attention. Excellent for safety minded divers. Easily installed. Now half price **\$1.99**

DECOMPRESSION TABLE



Luminous underwater slate and rotating decompression table required for air dives. U.S. Navy Standard. Reg. \$2.95 — Now 1/2 price **\$1.50**

SKIN DIVER BELT



Famous Pescatore duck and leather utility belt. Lined pocket for extra heads, hooks for flashlight, knife, etc. Professional fish stringer. Reg. \$7.95, half price **\$3.95**



New Aqua-Matic 2 stage Aqua Lung regulator with "20 minute" tank. Quality tested "Cousteau Gagnon" process. Is complete with automatic reserve. Top quality harness included. Tank is made for underwater, not inferior surplus cylinder. Free Book "Diving with the 'Aqua-Lung'" with each unit. Tanks filled and ready for use. We pay shipping charges. All for **\$44.50**

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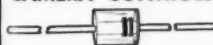
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LETTERS

(Continued from Page 7)

... I would like to hear from any skin divers or skin diving clubs in the California coastal region. I believe the water here differs in temperature very much more than in California and am curious as to how much. The water here (salt water) drops to about forty degrees at close to 15 feet down. I would also like to hear from any Florida skin divers. I will reply to anyone who has the patience to write.

—Joe Fetchko
Box 6, R.R. 1
Westview B.C., Canada

... We receive copies of your magazine regularly and members are very pleased to learn about current underwater activity and progress in the U.S.A. While relaxing and diving in Torbay, off the Devon coast, I thought I'd take this opportunity of making contact. Yes, perhaps in future issues of your 'Underwater Club Roster' you can throw in our name—we'd hate you to miss out on this! Our club is called Uxbridge Sub-Aqua Group and we are not yet associated with the British Sub-Aqua clubs in this country. The contact and official address is: 78 Newtown Rd., New Denham, Uxbridge, Middx., England. By the way we also have a U.S.A.F. Captain as a member. Thanks a million for letting me come in on this wavelength.

—A. A. Hawkins, Information Officer
Middlesex, England

... My Name is Andre Berube and I live at 6243 Des Escours St. in Montreal, Quebec, Canada. I am 22 years old and I have thought that, as several other readers have done, I could write a short article concerning the underwater activities around Montreal.

It has been only in the last five years that diving in Montreal has become a popular sport. My first diving attempts were made five years ago in a pool. Following that my experience has improved as I have dived in several lakes and rivers and continue to enjoy the sport. I have a trophy won two years ago in an underwater race and have been diving instructor in the only professional diving school in Montreal.

During winter months training is done in pools where often competitions are organized among the various clubs. In Canada we must wear a rubber suit the whole year around, even during the summer. If we go beyond a depth of 20 feet the water is too cold, almost unbearable.

There are several spots near Montreal where underwater hunting is excellent. We catch carp weighing from 10-15 pounds with occasional ones weighing as much as 25 pounds. Last summer a friend speared a 45 lb. muskellunge.

As the projects for the future, I hope soon to take a trip to Florida and take several underwater pictures.

—Andre Berube



1958 Skin Diver Award presented to LINDA ANN HEALY for surfacing on June 2 at 5:18 a.m. and weighing in at 8-lb. 6-oz. Parents are Tim and Marie Healy of the Underwater Fishermen of New Jersey

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DEALERS' INQUIRIES INVITED

Underwater Book Shelf

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This is a guide for skin divers who want to photograph their activities and the sights under the sea. Complete information on equipment and techniques of submarine photography and movie making.

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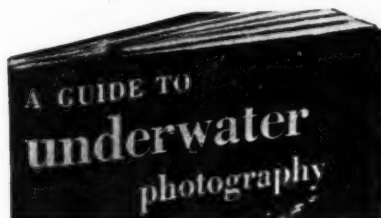
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SKIN DIVER—August, 1958



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The author's third book devoted to the sea is the culmination of a trilogy pointed to the exploration of a weird and wonderful land... the world beneath our oceans. If you have enjoyed Diole in past books, this one is his best.

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Underwater Book Shelf

Department

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To order books from this department please give the full name of the book desired and the book number. Be positive to print or type your full name and address on your letter. Send full amount of money for all of your purchases by check or money order payable to "Skin Diver".

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SKIN DIVER Magazine
Lynwood, California

INFORMATION FREE

By ARNOLD E. HAGEN

The following sources of free and inexpensive materials are made available to the readers of SKIN DIVER MAGAZINE as a convenient service in obtaining worthwhile information concerning underwater swimming activities and other related topics. Underwater swimming enthusiasts will find many of the listed items of extreme interest and value. We hope that this information will be both helpful and informative. Send requests or contact the addresses listed below. Each source represented in the column reserves the right to withdraw its offer whenever it sees fit.

PRICE LISTS OF GOVERNMENT PUBLICATIONS—These price lists are issued free by the Superintendent of Documents, Government Printing Office, Washington 25, D.C. They describe each available book or pamphlet, and embrace current topics as follows:

21. FISH AND WILDLIFE SERVICE, and other publications relating to fish and wildlife.

48. WEATHER, ASTRONOMY, AND METEOROLOGY.

53. MAPS, ENGINEERING, SURVEYING.

63. NAVY. Publications relating to Navy and Marine Corps.

81. POSTERS AND CHARTS.

82. RADIO AND COMMUNICATION.

TIPS ON MOVIE CAMERA LENSES AND FILTERS—A 18 page booklet that is written for the beginner and for the amateurs who desire basic working knowledge of camera lenses and filters.

Bell & Howell, 7100 McCormick Road, Chicago 45, Ill.

TIPS ON MAKING YOUR OWN MAGNETIC SOUND MOVIES—In this 21 page booklet you can learn how you can have a permanent movie-record of your experience in action, color and sound.

Bell & Howell, 7100 McCormick Road, Chicago 45, Ill.

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(2) PACIFIC PORTS
(3) MEXICO—HINTS FOR YOUR MOTOR TRIP

(4) CAMINOS DE MEXICO—MAPS
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(6) POCKET GUIDEBOOK TO MEXICO—THE GAZER—112 pages.

(7) NOTES ABOUT MEXICO'S CLIMATE.

(8) FISHING IN MEXICO

(9) BAJA CALIFORNIA

Direccion General De Turismo, Av. Juarez #89, Mexico, D.F.

MASSACHUSETTS—THE HISTORIC VACATIONLAND—A TRAVEL MAP—A large colorful travel map of Historic Massachusetts. Suitable for framing.

Massachusetts Department of Commerce, 334 Boylston Street, Boston 16, Mass.

FIRST AID BOOKLET—The information supplied in this booklet represents the combined experience and judgment of the safety directors and other safety workers of a number of important industries. Their ideas have been checked and verified by physicians and scientists, who have found these ideas to be correct and expressed with accuracy.

Hynson, Westcott & Dunning, Inc., Public Relations Department, Baltimore, Md.

FREE FILMS—Free 16 mm sound motion pictures from industry will increase interest and attendance at meetings of your organization. Thousands of clubs, churches and companies are now using free films regularly. These motion picture programs are truly outstanding. Many of them are in beautiful Technicolor. Photography, acting, direction and production are of top quality. Send for this 30 page catalogue that lists over 200 interesting and informative films.

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Affiliated Aetna Life Company, Public Education Department, Hartford, Conn.

SAN DIEGO, WHERE CALIFORNIA BEGAN . . . AND LIVES—A 32 page booklet that will acquaint you with this beautiful city. Thomas Mitchell, veteran actor, who stars in the "Mayor of Our Town" on television, said he would like to be the mayor of San Diego in real life. "There is a great difference in being a make-believe mayor and a real mayor. But San Diego is the most beautiful town I have ever seen," Mitchell said.

San Diego Convention and Tourist Bureau, 921 Second Avenue, San Diego 1, Calif.

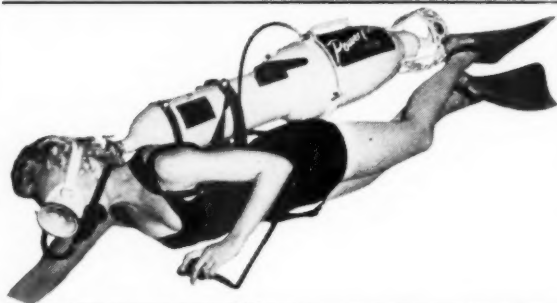
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SENSATIONAL UNDERWATER VEHICLE!

*Leaves your hands Free
to hold a camera, a spear
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RICHARDS HAS DONE IT AGAIN! This time it's the extraordinary POST POWER PAK . . . an amazing portable vehicle that now actually mechanizes or flies man under water! Never before has there been anything like the POST POWER PAK in the skin diving field!

This unit will do for the underwater man what the automobile did for the walking man, what the jet plane will do to the piston plane and what the steamboat did to the sailing vessels!

This unit, being an integral part of the diver's standard equipment, does not destroy the basic reason for the success of the Aqua-Lung: MOBILITY . . . and the POST POWER PAK diver has this same mobility! He is able to freely explore caves and ships. Depths and areas can be covered with a team of POWER PAK equipped divers in less time than that of dozens of ordinary divers.

The lightweight POWER PAK is simple to attach to the base of a standard "Aqua-Lung" tank with the flick of a convenient safety

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By propelling the diver through the water up to 3 mph, the POWER PAK conserves energy . . . leaves your hands free to use underwater tools . . . reduces air consumption in half and gives the Aqua-lung tank a longer life. The PAK motor will provide more than 2 hours of continuous operation. Intermittent cruising time on one battery charge can be extended to about 4 hours.

The basic POWER PAK, in a specially constructed Epoxy resin aluminum case, has a 17 amp hour motor and a 12-volt non-spillage 35 amp hour airplane battery. Total unit weighs only 48 lbs. It has approximately 3 lbs. positive buoyancy in fresh water and is designed along the best aerodynamic principles. Steering and controls are quickly mastered, and with the coordination of the shoulder harness and fins, you will be able to accomplish hair-pin turns, immelmans, circles and somersaults. The POST POWER PAK was designed and constructed by Bernard Starr, top underwater designer and head of Richards diving team for over 5 years.

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for further details.

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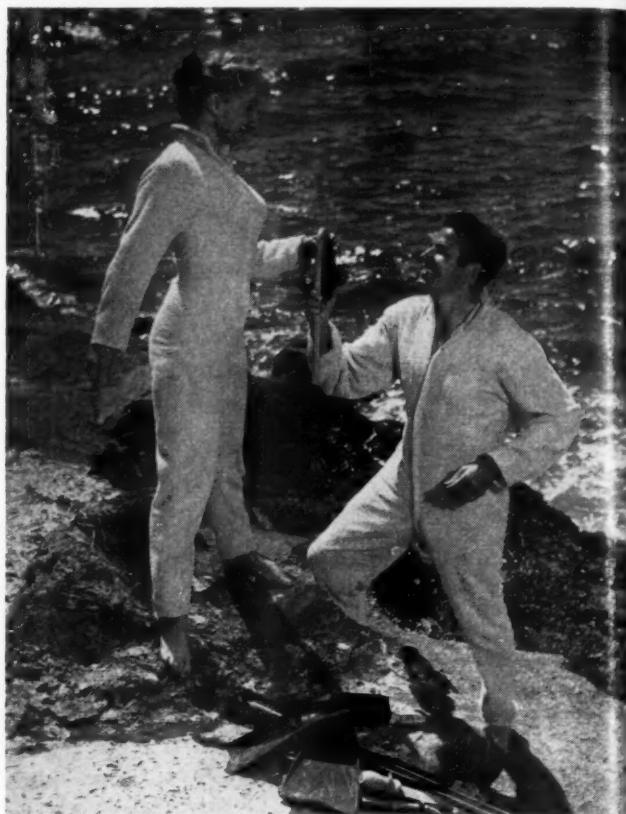
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SKIN DIVER MAGAZINE UW PHOTO CONTEST WINNERS

(See Front Cover for First Place)

← Second Place Winner HYMAN A. COOPER

"Neophyte Girl Diver Sees the Wonders of the Kelp Gardens". Camera, Leica III-F; Housing, Wollman-Schmidt 35A; Plus-X film; 1/50th second at f.8; Water depth, 25 feet; Visibility, 35 feet; No flash; Location, Catalina Island; Developing process, Doubled film speed to 160 ASA. Hy Cooper, an employee of the Beverly Hills Hotel, chose a U.S. Divers Co. Aqua-Master "Aqua-Lung" as his prize for winning second place.



The judging committee for the Giant Underwater Photo Contest consisted of Ernest H. Brooks and the staff of Brooks Institute of Photography located in Santa Barbara, California. Skin Diver Magazine has every confidence that this committee did the finest job possible in the difficult task of judging underwater photographs submitted for the contest. The Brooks Institute of Photography is a widely known professional school for photographers and has conducted exhaustive research in the application of photography under the water.

Third Place Winner → DONALD M. MORRISON



"Diver and Rock Formation". Camera, Argus C-3; Housing, Orca; Film, Tri-X; 1/25 second at f:3.5; Water depth, 35 feet; Visibility, 25 feet; No flash; Location, Eagle Reef, Catalina Island. Don Morrison lives in Palmdale, California, and earned a Lifetime Subscription to Skin Diver Magazine by winning third place in the contest.



HONORABLE MENTIONS—Homer J. Lockwood (2), Peter H. Strudwick (2), James C. Stark, Jackie F. Ward, and Hyman A. Cooper. Each of the seven Honorable Mentions received a copy of "The Compleat Gaggler".



Mermaid from the "Riksapplet". For some reasons she has been called "Anita Ekberg of the 17th Century" by Swedish newspapers. The figure is about 1.5 meters in length.

Underwater Exploring in the . . .

17th Century Swedish Wrecks

by Gosta Fahlman

PART of my work at the Experimental Diving Unit of the Submarine Division of the Royal Swedish Naval Administration consists of testing different kinds of diving equipment which might be used by our military divers. The rest involves paper work and the administration of diving matters. However, as is the case with most divers, it is the work underwater that I like best. It gives me a necessary relief from the constant grind of desk work and an opportunity to keep physically fit.

For the testing of new equipment we usually make two diving expeditions a year to the archipelago of Stockholm, each of about fourteen days' duration, one in summer and one in winter. My companions on these expeditions who are also members of the SweEDU are Lt.Cdr. B. Cassell and Army engineer Gunnar Lundborg. During these field trips we try newly developed diving equipment in order to determine what types would be best for military use in Sweden. Specifically, we test different

types of scuba, exposure suits, swim fins, depth gauges, etc. Last November we tested wet suits for the first time. Previous to this date we had used only dry suits under which we wore two thick woolen suits of underwear for winter diving. Dry suits had proved to be sufficient at a temperature of just above zero centigrade, but they were not comfortable and if they leaked they became terribly cold!

Last summer Robert F. Dill, of the Navy Electronics Laboratory, in San Diego, California visited and spent one week diving with us. At this time I had the opportunity to use his "wet suit" and found it excellent in every aspect for summer diving. I was, however, skeptical of such a suit's ability to keep a diver warm when diving during one of our really cold Swedish winter days. We did order six suits from the United States, however, and anxiously awaited that day when we would be able to test this type of suit under our bitter winter diving conditions. During our November expedition the air temperature was around zero centigrade (32°F). In the

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shallow water near the beaches ice was actually forming! We had received several wet suits from the United States just prior to the tests which were full suits of 3/16" thickness and equipped with vests, mittens and socks. We usually made two dives a day, each dive having had a duration of 25-40 minutes. The duration and number of dives was limited by depth, not cold. We prefer not to run our diving time up to the point where we require decompression stops during test dives. The suits proved sufficiently warm all the time.

During our diving expeditions we usually try to dive on ancient wrecks of the Swedish Navy. In general, we have concentrated our work on three wrecks, all of which sank in the 17th century. Two, the "Riksapplet" (the Apple of the Realm) and the "Grone Jagaren" (the Green Hunter) are situated in the archipelago of Stockholm, an area studded with many small islands on the northern shore of the Baltic Sea, and the other the "Wasa", in the main harbor of Stockholm.

The "Riksapplet" sank shortly after it had participated in a battle against the Danish-Dutch navy off the island of Oland on the 1st of June in 1676. The fight had not been successful for the Swedes and the ships of the Navy had been forced to retreat to their home ports. The "Riksapplet" managed to return to the Naval Base at Dalaro in the archipelago of Stockholm, where she was moored. Shortly after her return, a severe storm hit the area and the mooring ropes of the ship were broken and the strong winds drove her onto a small rock island where she sank. This small island even today is known as the Apple skerry.

Compared to other ships of her time the "Riksapplet" was fairly large. She was 158 ft. long, her beam was 37.5 ft. and the draught 17 ft. Her armament consisted of 90 guns and she had a crew of 312 sailors and about 230 marines. She was a beautiful ship and was decorated with many sculptures and ornaments which were common to the design of naval ships of this time.



One of the sculptures recovered from the ancient wreck of the "Wasa". It is quite large, measures about one meter long and has been well preserved by mud and clay. An extremely valuable item for the National Maritime Museum in Stockholm.



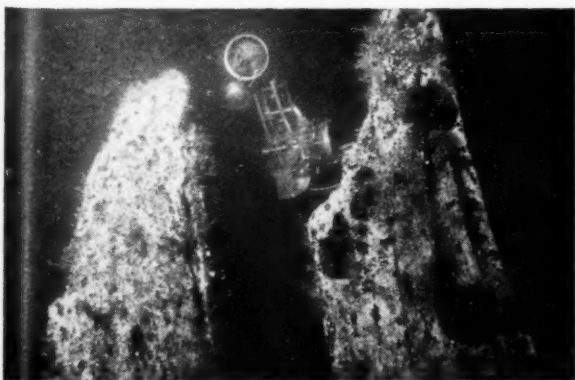
One of the tar barrels at the Riksapplet. The barrel that was recovered by the divers was standing and almost filled with usable tar.

The location and depth of the "Riksapplet" make it an ideal wreck to investigate during diving operations. She lies in water 16 meters deep on a bottom that consists of rather hard glacial clay. The island against which she rests is well protected from wind and ice and is removed from the main ships channel. The "Riksapplet" has, because of her favorable location, been visited by many throughout the nearly 300 years she has rested on the sea floor.

Many of her choice marine fittings have been salvaged over the many years she has been on the bottom and are unfortunately forever lost to marine historians. However, there still remain many interesting items to be collected and recorded that make diving on this ship well worth the effort. Today she, like all wrecks in Swedish water, is sacred. Only divers working for the National Maritime Museum in Stockholm are permitted to dive on these historic vessels which are keys to our Navy's past.

Since we started diving on these wrecks two and a half years ago we have brought to the surface many items; some of which are dinner plates and crockery, cannon balls, various wooden sculptures, carved figureheads, hand grenades, and barrels filled with tar. Although these things have been exposed to salt water for almost three hundred years, they are surprisingly well kept. This excellent condition is probably due to the sterile waters of the Baltic and their burial in the bottom sediments. For example, the tar in one of the barrels taken from this ship is

(Continued on Page 35)



Gunnar looks for artifacts to photograph with his Hasselblad camera, made in Sweden. This camera has a 90 degree wide angle lens and is ideal for close-up work in turbid water.

UNDERWATER LOGGING FOR PROFIT

By JOHN E. CAYFORD

Already topped and chopped, this log is only one of millions waiting for the scuba equipped lumberman to cash in on.

The history of early America, or a small part of it, unfolds each day International Undersea Services works at Operation: Double L.

Operation: Double L was given its label in January, 1956, although the actual research behind it began a full year hence. It was brought to the attention of International's President, John Cayford that an underwater construction job couldn't be completed because of a large deposit of sunken logs clogging the area of work. Arriving on the scene with International's Director of Undersea Operations, Master Diver Ed Guernsey, the two men surveyed the work area. Upon completion of the dive, it was determined that the sunken logs had to be removed. When these logs were pulled on dry land, they were found to be just as sound as when they were first cut, and it was estimated they were felled some time before 1930. Although these logs were left to local inhabitants, the thought of underwater logging was being borne strongly in mind.

During the months following, time and business didn't allow much work to be put in on underwater log operations. However, before the 1955 diving season ended, several survey dives were made in various lakes to determine the amounts of long logs which had sunk. The quantity seemed sufficient to warrant further work and research. The winter months were spent in the fact finding department.

Bangor, Maine was for a great number of years known and recognized as the lumber capital of the world. The State of Maine has 16,783,000 acres of timberland—largest tract in eastern United States. Maine produced 214,454,000 board feet of lumber in 1939, and 459,271,000 in 1947. Whereas the State produced this amount of woods products, long logs were cut, driven, boomed, rafted and sunk. Maine has over 2500

large lakes upon which long logs were driven, plus the Penobscot, Union, Machais, Kennebec, Androscoggin and Saco Rivers. The Penobscot River, which runs through the City of Bangor has had over two trillion board feet of long logs driven on it. At various points on the Penobscot, a 200 mile long river, above Bangor, boom houses were constructed to sort and mark the different companies, logs. It is at these spots a greater portion of the logs will be found.

Throughout the research work, valuable aid was rendered by the Forestry Department, State of Maine; the Bangor Public Library, and the Forestry Division, Plants Science Department, University of Maine. It was deemed by all that the Argyle Boom would produce the greatest number of sunken logs along the Penobscot.

The Argyle Boom and Boom Houses are located 21 miles north of Bangor on the west bank of the Penobscot River. The boom was in operation for over 150 years, discontinuing service in 1927. During the years between 1840 and 1880, the boom handled over a half billion board feet of lumber per year. However, during the last 18 years of operation a small total of 18,505,549 long logs were handled there, totaling 1,218,448,130 board feet of lumber. Divers Guernsey, Pearson and Cayford of International's staff personally conducted the underwater survey of the 3 mile section of the Argyle Boom, which also includes the Pea Cove Boom Site. Over one million board feet of lumber was plainly visible in this three mile stretch.



The land on the east bank of the Penobscot is the property of the Penobscot Indian Tribe and under strict government laws and protection. However, International was fortunate in leasing acreage at the site of the boom pilings on the west bank. The land was cleared, shore frontage stripped of alders and bushes, landing strip for boats made, and log yards set up.

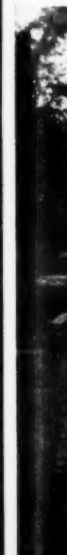
The water is shallow, not over 20 feet deep, and the current, $3\frac{1}{4}$ knots, flows southerly working for the divers and hauling boats. After the shoreline landing site was completed, and a load of 5000 board feet brought to the sawing yard, Professor Gregory Baker, Woods Identification Specialist, Asst. Head, Forestry Department, University of Maine, was called in. Prof. Baker identified the types of lumber as being 95% white and Norway pine, with the remainder red and black spruce, hemlock, white birch, white ash, poplar, beech, cedar, maple and fir. Prof. Baker stated that the logs were in better condition than when originally cut. The logs are now free of pitch and sap, in the softwood types, and will saw easier. These particular logs were cut in tree lengths (36 ft. to 60 ft.) and when taken from below are barkless.

Today's lumber market demands logs no longer than 16 feet. From the logs sunk and salvaged, often times three and four cut can be made. The water-soaked pine saws out to a pinkish color, but when allowed to air dry turns to a beautiful gold. These boards cut from water soaked (or water-cured) logs sell on the market for as much as \$350.00 per thousand board feet. International's

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divers have brought logs to the landing site which measure better than 1500 board feet to the log. But, a majority of the logs when cut to 16 ft. contain only 250 board feet.

Up at Operation: Double L, (which means long logs), a typical day finds the crew getting on the job about 6 a.m.—shortly after the sun rises. The motors, heavy duty logging outboards, are gassed and made ready for immediate use. Log buoys, with 25 ft. lengths of rope attached, are loaded into the flat-bottom awaiting the diver. The shore gang backs the yarding vehicle into position, fuels the chain saws, greases the cross-cut saws, sets-up the snatch block and block-and-tackle, and applies the fly repellent to themselves before starting to cut, measure, roll and twitch the one to two ton water-soaked long logs as they are hauled to the landing site.

The diver goes below tying the buoys to the top ends of the sunken logs which, for the most part, show above the sandy bottom. In an hour's time 25 to 35 logs are buoyed, and the hauling begins. The 9.8 Johnson outboard, made with extra power for logging operations, digs in as she hauls two to four logs to the yard at a time. Having an adjustable pitch prop, this engine pulls a tremendous load. As the first group of buoyed logs are being hauled to the landing yard, the diver, being somewhat rested and with a new tank, is ready to continue his buoying. This process continues throughout the day, one diver and his tender working six hours before the diving crew is alternated.

Meanwhile, the shore crew, under the supervision of the S. M. (Shore Master), twitches the logs from the landing yard to the sawing yard. Here the logs are sawed at butt and top,

measured to 16-14-or-12 ft. lengths, rolled with the cantdogs off the saw yard skids, awaiting to be hauled onto the log yards. Handling logs weighing up to and over a ton is no easy job, but everyone gets his turn at the cantdog, crosscut, chain saw, twitching, rolling, snatching and hauling. The black flies and mosquitoes buzz and bite continually, however after the first week or so, you're bitten so much that they don't seem to bother from then on. Ten to fourteen hours brings the log pile to ten thousand board feet—which is a good day's work and, what's more important, a good day's pay, even at today's prices.

Whereas a greater portion of the United States produces lumber products, the author and his associates felt that other Scuba divers would be interested in the aspects of underwater logging. It has been pointed out before that underwater logging is not an easy task, however through hard work, good profits can be gained. In order that other diving clubs or groups of divers can start an underwater logging business, it is first necessary to outline some of the most productive areas.

The United States is broken up into five forests: Northern, Southern, Central Hardwood, Western, and West Coast. The northern forests produce red, black and white spruces; balsam fir; white, red, jack and pitch pines; eastern hemlock; maples, oaks, beech, birches and aspen.

The southern forest contains longleaf, shortleaf, loblolly and slash pines; southern oaks; red gum; hickories; southern cypress; eastern and southern red cedars; and others.

The central hardwood forest is broken into two sections—the northern portion and southern portion. The Northern portion or Appalachian Hardwood

Region as it is more commonly termed by lumbermen has oaks; hickories; ashes; elms; maples; beech; black walnut; pitch, shortleaf and Virginia pines; cottonwood; and others.

Oak; red and black gum; hickories, ashes; black walnut; eastern red cedar; cottonwood; yellow poplar; beech; and others are grown in the Southern Hardwood Region of the Central Forests.

The western forests are abundant with ponderosapine; Idaho white pine; western larch; Engelmann spruce; Douglas fir; lodgepole pine; sugar pine; western red cedar; western hemlock; white fir; and others.

The great forests of the West Coast will prove to be the paramount salvage work for the Scuba divers in that region who wish to enter the underwater logging business. Douglas fir; western hemlock; redwood; western red cedar; Sitka spruce; sugar pine; lodgepole pine; incense cedar; white fir; Port Orford cedar; and others can be found in this region known by timbermen as the Douglas Fir and California Redwood Regions.

Most of our remaining old growth forests are found in the Western and West Coast forests. However, the underwater logger can still find the old growth or virgin growth on the bottoms of rivers and lakes.

Good diving businesses have been established on three sound principles: Good Divers; Hard Work; and Careful Research. This last principle must be taken into consideration by any group of divers or a diving club before they start to set themselves up in the logging game.

When the idea was born much research had to be done. Paper work stacked up in a file at International concerning the current price of lumber, the lumber market, lumber buyers, the types of lumber wanted, needed, and purchased, (and the types we could get below water), the sizes required by the purchasers, and the possible areas to check for sunken logs.

Property rights were checked, log and logging laws were thoroughly gone over, letters were sent and received from the Forestry Department, State of Maine and the Legal Department, also.

There are few states in the union that do not have logging operations and lumbering operations carried on within the state boundaries. A group of divers or a diving club who want to earn themselves a new compressor, recompression chamber, club house, or just money, can do a little research, make a few survey dives, check the local lumber markets, and put yourselves in shape for underwater logging. It isn't easy work, but after the first few sprained backs, sore hands and tired feet, it won't bother a bit!!!



Trigway to get logs easily onto log yard. Block and tackle is located in crutch of tree. International Undersea Services divers are now working on a contract for the Diamond Match Company.



"Chiriqui" is outfitted thoroughly for heavy seas, has two complete sets of high quality sails and is loaded with provisions. Skin diving equipment on-board includes a large air compressor, scuba units for the entire crew plus a few extra regulators, hookah units and compressor, six 16mm underwater cameras, a 35mm movie camera and underwater housing that loads 400 feet, Rolleiflexes, Hasselblads and other still cameras, all adapted for underwater use, water skis, paddleboards, three recording units, portable darkroom, machine shop and deep freeze. This is only a partial list of equipment on this floating diving shop and laboratory.

"CHIRIQUI" TO THE SOUTH SEAS

DIVING CREW WILL FOLLOW THE DARWIN ROUTE

THE 61-foot ketch Chiriqui is heading out into the Pacific for a solid year of underwater exploration that may substantially augment Darwin's research for his "Origin of the Species."

It is a speculative and cooperative enterprise of seven skin divers headed by Lowell Thompson, 42-year-old Spokane, Wash., geologist and mining engineer. He has \$100,000 tied up in the venture, hopes to get it all back. As the angel in the project he will get 25 per cent of all proceeds, and the rest will be split among the crew.

Thompson calls it the "Darwin Expedition." In general, the Chiriqui will follow the path Darwin described in "The Voyage of the Beagle."

"We have many advantages Darwin didn't have," said Thompson. "Every one of us is a skin diver. Darwin had to depend upon second hand observations of sea life." The expedition is taking miles and miles of film, compactly stored in a separate refrigerator. A full length movie, much of it taken underwater, is one of the projects in the multifarious undertaking.

Under a Navy grant the crew will keep exhaustive records of their physical condition. Each man had an encephalogram, recording his brain wave, before takeoff. Another will be taken on the crew's return. The Navy wants the comparisons to determine the effect of long, continued deep sea pressures in diving. The blood pressure of the men will be taken before and after the daily diving procedures.

SKIN DIVER—August, 1958

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Pharmaceutical houses have provided the expedition with a powerhead spear, into which has been built a special hypodermic. Loaded with curare, a poison from the Amazon jungles, the spears will be propelled at sharks. The Scripps Institution of Oceanography at LaJolla, Calif., is interested in the effects of the curare on sharks. The spearing will be photographed, as will the after effects, if any.

The Scripps Institution also is interested in poisonous shellfish that will be collected by the crew.

For UCLA scientists, the Darwin Expedition will send back whole schools of small fish from the Tuamotu Archipelago. The crew will conduct extensive studies there that may be helpful in the study of fish migrations.

To capture these fish schools the crewmen will select a reef, spread rotenone in a pattern over the area, much in the fashion of a crop duster. Rotenone smothers the fish, making possible a 100 per cent recovery. These will be pickled, shipped to UCLA for study.

The expedition has been four months in preparation. The ketch, built in Panama, has a heavy steel keel. It makes seven knots easily in a light breeze, can do 10 with spinnakers out. It has been completely rigged over for this trip. There are three outboard motors for the diving skiff, which has a portable communicator to the Chiriqui.

The ketch has an 85 horsepower, 6-cylinder diesel engine, and a 2-cylinder diesel that operates the compressors and electrical equipment. All parts of the two motors are interchangeable.

For several weeks the crew lived together in a house in Belmont Shore to see if they could get along.

Says 36-year-old Jack Russell of Malibu, Calif., a screenwriter, one of the crew: "We wanted to get our differences catalogued before we got out to sea, where we couldn't walk away from them." We discovered we had some real difficulties, but we have reached a complete understanding. We lived on ship for a week before departure. We'll do all right."

The Chiriqui heads for Acapulco, Mexico; thence to the prison colony,



Crew of the Chiriqui: (l-r) Ron Church, Bruce Meyers, Plazi Miller, Ramsey Parks, Bev Morgan, Lowell Thompson, and Jack Russell. This group of undersea adventurers lived in one house for several weeks to make sure that they were all able to get along together before taking off on the long sea voyage.

Morgan and Church pass cartons of food-stuffs down to the galley. Mountains of fresh meats and vegetables were packed in the deep freeze and refrigerator in addition to the canned supplies. Fresh fish will also be a major part of the crew's diet.



Tres Marias; from there to the Cocos Islands, where the Darwin trail will be picked up.

The expedition will go to the Galapagos Islands, thence to Easter Island, to Pitcairn, and on to a group of Polynesian Islands, and into Tahiti.

Tahiti is the very end of the planning, and it is obvious the crew plans to spend considerable time there. "We'll work the itinerary out after we get there," says Thompson.

The skipper of the Chiriqui is Plazi Miller, 23, of Palos Verdes, Calif. Others include: Bev Morgan, 26, Redondo Beach, Calif., a talented skin diver and author; Ramsey Parks, 24, Hermosa Beach, Calif., biologist and expert photographer of the sinking Andrea Doria for Life Magazine; Ron Church, 23, La Jolla, Calif., underwater photographer and spearfisherman and Bruce Meyers, 33, Newport Beach, ship's carpenter.

Russell, who recently completed a screenplay "Ocean's Eleventh," the story of a Las Vegas robbery, says only two of the crew have been to the South Seas before.

"Don't get the idea that this is strictly a scientific expedition," Russell admonished. "We're going to do a bit of treasure hunting in the Cocos, not so much for gold, but there are a lot of relics that we can pick up, and with several skin divers mulling around down there, who knows?"



Bev Morgan

Ron Church

Bruce Meyers

GRAND BAHAMA CLUB A.A.U. OPEN MEET

By Charles Grant

Five top Florida teams, one Georgia team and one Kentucky team vied for top honors in the Grand Bahama Club AAU Open Meet on June 1 at the Grand Bahama Club, West End, Bahamas, site of the coming National Championships AAU August 17, 1958. The meet was under the sanction of the Florida AAU with Irving R. Rosen, registration chairman.

The Miami Makos Skin Diving Club took first place with their catch of 65 lbs. 4 oz. Team members were Harry McCabe, Bill Von Seggern, and Bennett Winston.

Second place honors went to the Atlanta Skin Divers Club, George F. Krasle, Eugene D. Vezzani and Hans Eric Fischer. The team's catch weighed 58 lbs. The Palm Beach Fin Divers were third with 46 lbs. 8 oz. and the Glug Glugs of Miami with 29 lbs. Fin Divers were Bert Picklesimer, William B. Cook and Robert Palmer. Diving for the Glug Glugs were William Kelly and Robert Wright.

Taking fifth place were the University of Miami Sea Devils, Philip B. Shaver, H. Lamar Meyer and Lawrence Jasper. The team's take was 25 lbs. 8 oz. In sixth place was the Kentucky Skin Divers.

The largest aggregate trophy was awarded to George E. Krasle of the Atlanta Skin Divers Club with a total weight of 50 lbs. Harry McCabe of the Miami Makos took the trophy for the largest single fish, a grouper weighing 28 lbs. 8 oz.

It is noteworthy to mention that in the opinion of the judges, George Krasle, a previously unknown competi-



George Krasle (white shirt) was awarded the largest aggregate trophy for this string of fish taken during the three-state competition. George is a member of the Atlanta Skin Divers.



Miami Makos Winston, Von Seggern and McCabe (right), winners of the Grand Bahama Club Open meet. On the left is the Club General Manager William J. Thompson and Serge Birn, A.A.U. National Chairman of Competitive Skin Diving.

tive skin diver except in his own state of Georgia, had during the meet and the days prior and after the meet displayed the true abilities of a champion. His ability to free dive to depths of 50 to 70 feet, the manner of stalking his fish and the tremendous endurance shown by his ability to swim from a beach or boat two and three miles out to sea was very reminiscent of the Pinder brothers of skin diving fame.

Other notes: the contest was held in an area of one mile wide and as far as the contestant wished to go out to sea and this area was chosen due to the very small number of fish available for conservation purposes. Time 8:30 a.m. to 11:30 a.m. Depth of water 20 to 65 feet.

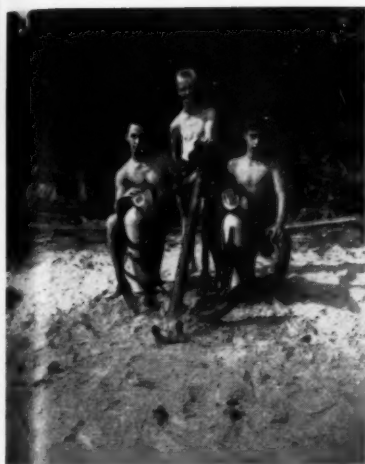
It was unanimously agreed by all pres-

ent that an outstanding job of organization was done by the meet referee Harold J. Aycock of West Palm Beach who was assisted by Meet Coordinator Buzz Campbell, the director of skin diving activities for the club. Other officials for the meet were Mrs. Buzz Campbell, Mrs. Hal Aycock, Bill Nolan, Grant Lee, Mrs. Shirley Kelly, Mrs. Dot Wright, Serge A. Birn, Ruth Blower and Sylvia O'Regan. All were made pleasantly comfortable and the visit to the club was a memorable one through the fine services and courtesies extended us by Mr. William J. Thomson, general manager of the Grand Bahama Club, sponsor of the meet.

Visibility of the water was 75 feet or more. This was a land based event.



Buzz Campbell, formerly with the Palm Beach Fin Divers and now associated with the Grand Bahama Club, captured 53 lobsters near the Club by hand in 45 minutes.



Anchor from an old schooner discovered by Evans.

\$1,000,000 TREASURE SHIP PROVES WORTHLESS

Discovery of a 17-year-old wreck in the St. Lawrence River thought to hold a million dollar treasure turned out to be a worthless hulk to the finder, Robert G. Evans, Syracuse, New York.

Evans, who discovered the wreck of the Sir Robert Peel last year, located the Henry C. Daryaw off Five Mile Light, west of Brockville, Ontario, Canada, in 115 feet of water.

It was first thought the discovery was that of a 350-foot cargo ship which sank in 1938 after hitting a reef. The ship was said to be carrying some 350 tons of coal and other cargo aboard, including a cash laden safe. One of the crew was believed to have gone down with the ship.

However the wreck was established as the Daryaw which went down in 1941.

Most of the information Evans had on the value of the ship was received from residents in the Canadian area where the ship sank.

During the past summer Evans and his brother, Chuck, discovered an old, unknown schooner, from which they salvaged the anchor.



Jorge Albuquerque, president of CPAS, displays a few of the fish species that will be taken in the World Championships. The large fish is called a Corvine.



WORLD CHAMPIONSHIP TO BE HELD IN PORTUGAL

The Underwater Spearfishing Championship of the World is to be held in Portugal on August 31, 1958. Teams from clubs of many nations, mostly European, will attend the Caca Submarina Campeonato do Mundo under the auspices of the CIPS, Confederation Internationale de la Pêche Sportive, with the host country being Portugal. The leading club in Portugal, the Centro Portugues de Actividades Submarinas (CPAS) is acting as sponsor.

Mr. Jorge Albuquerque, President of CPAS, has informed us that the water temperature at the time of the Championships will be approximately 19/20° Centigrade (65/68°F.) and that rubber suits will be allowed during the six hour competition. The competition will be held at Cabo Espichel, 18 miles south of Lisbon, with the diving region closed to all diving prior to the meet.

The fish that will be speared will be those common to the coast of Portugal, Sars, bass, merou, mullet, dorades,

wrasses, etc. The largest of these never exceed 40 kilograms or approximately 80 pounds. Depth of the diving zone varies and increases according to the distance from shore, fish may be found in waters as shallow as 10 feet. Portuguese divers can easily reach 20 meters (65 feet) on their dives to the bottom while spearfishing.

The minimum weight of the fish to be caught in the World Championships should be, according to Portuguese regulations, about 250 grams or approximately 8 ounces. However, the official minimum weight for each fish will be determined by the C.I.P.S. before the beginning of the contest.

A complete run-down of the countries, teams, and individuals entering this World Championships and the results will be reported to "Skin Diver" readers by Gustav Dalla Valle who will attend the meeting as the United States representative to the C.I.P.S.

Each country will enter a six man team in the meet and team standings will be determined by the individual diver's placement according to points earned.

Three hours of spearing resulted in this catch by three divers. Sars, bass, merou, mullet, dorade, wrasse are common fish to the Portuguese coastline. Photos by Jorge de Castro.



Two comfortable gentlemen and their Pro regulators pose for the camera in Lybia.



"Gunsmoke" TV star Malt Dillon (Jim Arness) gives skin diving equipment the once over at the Los Angeles Sportsman Show.



Turin, Italy—Victor de Sanctis has just finished making a film record of the 6600 NATO Autocar.

UNDERWATER



Panama—Tony Mann sent this photo of the El Panama Skin Diving Club aboard a LCM after a Sunday trip.



La Jolla, Calif.—Paul McCormick and Al Tillman, on a Southern California Underwater Photographic Society expedition, prepare to photograph parts of the Scripps Canyon.

Compton, Calif.—Dolphins Club raise their glasses in a toast to their honored members at a club awards banquet.





Komar, Cuba—61 pound amberjack speared by 16-yr.-old George Pellini. On the left, above, George needs the aid of a friend to hold the fish for the camera.



Montriel, Quebec—Miss Sirene, Andree Guilbault, was elected by a delegation from clubs in Quebec. Lucille Deslauriers and Jacqueline Nolet were runners-up. Ronny Lamoureux of the Montreal Divers Club presents the trophy. The mermaid attachment was molded by International Divers Corp.

Laguna Beach, California—Marjorie Williamson of the Newport Submarines brings in a sizable Angel Shark she captured during a practice run for the Women's Spearfishing meet.
—Photo by Babs



Minnesota—Chuck Wagoner (center) emerges from Lake Minnetonka with a 25-lb. spawn filled carp. Chuck is proxy of the Aqua-Gator Club of St. Paul. Other divers are Gene Betz and Loel Brandstrom. Water temperature was 50°F.—R.T. Keagle Photo.



LONE STAR DOLPHINS SHINE AT SPORTS SHOW

By Oliver Nowotny

It all started at one of those winter meetings when most of the members of the Lone Star Dolphins in San Antonio, Texas, didn't have enough to keep them busy. Someone suggested that we have a diving tank at the local boat and sport show which was to come up in the Spring. At first it seemed like we just talked about it, and not much was being done; but there was a lot of ground work going on unnoticed. Mr. Eli Arragon of the Imperial Iron Works was contacted, and he agreed to build the tank for us free of charge, acting as our sponsor in this respect. A local newspaper was contacted, and they agreed to sponsor us to the extent of furnishing the space in the Coliseum, which was a tidy figure.

Then came time to fix up the tank; install plexiglas windows, paint, etc. Mr. Arragon helped us every inch of the way, and all the active club members pitched in. It was a lot of work, installing four big windows in front and one in back, filling the thing up with water (5000 gallons) only to find that a window would crack, drain . . . get another sheet of plexiglas and start all over again.

We finally got it to hold water; and the plexiglas windows stood the pressure; then a local TV photographer came out and took a few shots of Kenneth Clayburne and his wife in it.

Then we moved the tank to the Coli-

seum; filled it with water and got ready for the show. Another difficulty presented itself. Seems as though someone gave some news bits to the wrong newspaper, and there went our sponsor for the booth space. A new sponsor was contacted, the Falstaff Brewing Company, which very graciously accepted.

We had a heater installed to warm the water, in the form of a pipe running across the bottom of the tank (in the water) and a fire in the pipe, but it didn't seem to do much good. The water remained at 70° to 72°, which in the early Spring was quite chilly except for the fellows who had cold water suits.

Things were in quite a hassle the first night; anyone going in at most any time; planning his stunt as he walked up the ladder to the tank. We began by playing cards and dominoes (two divers in the tank) while the fish swam by. Walter Steen of Mar-San Manufacturing Co. who is also a skin diver loaned us the table. We had Bass, Gar, and Rio Grande Perch in the tank with us, furnished through the courtesy of the local Zoo. The Reptile Gardens of San Antonio loaned us Gertrude, an alligator that we let swim once in a while; other times someone held Gertrude outside and answered people's questions.

By the second or third night we had things organized much better, and ev-



Bill Powell and Walt Carlyle start after their favorite game, Nebraska Craw-Dads. The crayfish found in these sand pits usually measure 7 or 8 inches and have a flavor that compares to shrimp.

everyone knew when to go in and what to do. We always had one of the largest crowds of any of the booths there; though relatively few people could see inside of the tank at one time.

A good "stand by" to show the people would be the taking off and putting on of the complete breathing unit underwater, while the narrator outside announced over the P. A. system the safety of being able to do so, and explained each movement.

Comedy we had too. One of the club members (me) would stroll down near the tank with clothes on, beer in hand and start bragging about how much diving I used to do back in California. Then someone would ask me to come in the tank and prove it. Two members would drag me and throw me into the tank, clothes and all, while I pleaded that I couldn't even swim. A breathing unit had previously been taken into the tank, and the diver in tank at the time would turn on the air and hand it to me. I would straddle it like riding a horse, while breathing through the mouthpiece. Next I would try to wipe the windows, wipe my eyes, etc. until the people realized that I couldn't see very well. Then the diver would hand me a face mask which I would fumble with, and finally clear, after the diver showed me how; then finally fins, etc. The diver would also put lead weights in my pockets as I was very buoyant with clothes on.

It was a lot of hard work, but it surely did pay off in added publicity which seemed to be a direct result of a tremendous increase in membership. We had a show nightly Monday thru Friday, and all day Saturday and Sunday.

Our club compressor and also two members' compressors (Kenneth Clayburne and Herbert Hoover) were going almost constantly to keep our supply tanks filled with air. The treasury took a dive to the bottom, and we didn't come out of the red until we collected some initiation fees a few meetings later. ➤



Lone Star Dolphins gather before the 5000 gallon demonstration tank with Gertrude the Alligator. After things got organized everyone had a great time, including Gertrude.

CRAW-DADS BIG SPORT IN NEBRASKA

By R. L. Carlyle

What is skin diving in the midwest? ... in Nebraska of all places? That's the question many may ask. There are no large bodies of water in Nebraska. Just sand hills and farm land, but did you know that Central Nebraska is known as the Sand Center of the nation? This sand is pumped from pits which are small lakes in themselves. In the region of Grand Island alone, there are 100 sand pits within a 20 minute drive. Some are old, some are new. The old ones in particular are the most interesting because they have moss and fish life in abundance. Some of these pits are as old as 50 years or older. In these, you'll find carp, bass, bullheads, perch, bluegills, and many others. The carp and the bass will usually be the biggest fish you see—up to 30 lbs. These may not seem like large fish to someone who has been skin diving in the ocean, but to us midwesterners, it's enough to keep us interested.

Also in these pits you will find a variety of turtles, and what is more of a sport than to fight and catch a 25 to 30 lb. snapping turtle bare handed and have him snapping at you all the time as you land him on the shore? But you will always assure yourself it was worth the battle when you have him for supper the next day. What a tasty meal they make.

Also we find that there is nothing more fun than to spend an hour or so skimming the bottoms and gathering craw-fish from their clay homes. Most of these "craw-dads", as they are commonly called, are of the larger variety. Much larger than the ones found in the streams and rivers and they are considered a rare delicacy in eating.

Each sand pit is different, you never find two alike, therefore each is a new experience and your experiences are unlimited. You find beauty everywhere, not only in the lakes, but almost all of them are surrounded by sandy beaches and scenic trees. You have hardly any problems when it comes to being bothered by motor boats and etc. Most of these lakes are too small for boats. We find that we only have to use our Divers Flag on the larger ones which are some distance away.

Our equipment, other than Scuba, consists of dry suits for real cold weather and wet suits, which we use mostly in the Spring and the Fall, and of course in the Mid-summer we need nothing other than a swim suit. We also have spears which we use for spear-fishing carp, which is the only legal fish to spear in Nebraska at this time.



By

DON MANN

875 Taylor Drive
Folcroft, Penn.

Surprisingly enough, Saturday May 24th dawned clear and windless at Lewes, Delaware as forty three divers converged on Brittingham's Dock to embark for the Breakwater and the 1958 Middle Atlantic Underwater Council Individual Spearfishing Tournament. Undaunted by the long walk to the other end of the rockpile (well, almost ...), the group hit the water at 12:30 and porpoised for an hour and a half. The sea picked up considerably during the competition but, aside from the usual barnacle gashes, there were no mishaps. Gordon Groves of the Maryland Waterbugs came up from the depths (and the fish were deep that day) with a winning 125 points. And those of you who used to laugh at old D. C., please note that Gordie took his eight fish with a sea spear and a detachable AG-head. The runners-up were, in order: Frank Groening of the Delaware Underwater Swim Club, Joe Wright of the Maryland Waterbugs, Harry Wiseman of the D.U.S.C., Joe Thompson of the Abington Submariners, Phil Wayne of the Swarthmore Mermen, Paul Hackett of the Maryland Waterbugs, Harry Sefton of the Maryland Waterbugs, Paul Mumford of the Tidewater Skin Divers, Bob Border of the Philadelphia Depth Chargers, and Bill Cox of the Delco Divers.

The Council welcomes two new member clubs since the last appearance of this column: The Tidewater Skin Divers in Norfolk, Virginia and the Ocean City Skin Divers of Ocean City, Maryland. We hope to hear from other clubs in the Middle Atlantic area who are, as yet, not associated with the M.A.U.C.

By now the flyers will have long since gone out to all Council clubs on the 1958 M.A.U.C. Underwater Photography Contest. The editors of this magazine have graciously offered to judge the entries and donate the prizes, so gather up the gear, all you shutter-bugs and send your entries to Jim Lukens, Box 251, Swarthmore, Penna. He will forward them to the judges.

Despite the fact that the Philadelphia Depth Chargers and the Delco Divers have already found some clear water and excellent spearfishing off the coast of New Jersey, nineteen divers from the two clubs will be travelling to Tom Brown's Pelican Cove on the Florida Keys for part of June. Ed Shelmerdine of the Swarthmore Mermen will be spending part of June with several other members on a chartered schooner drifting about the Keys area, also. And, alas, your Chairman is moving bag and baggage to Florida; the water up here just isn't clear enough. Hereafter, all Council correspondence should be addressed to the Secretary, Jesse Phillips, 20 West 10th Street, Chester, Penna.

We were hoping to include the results of the M.A.U.C. Team Spearfishing Tournament in this column, but when the teams met at Lewes, Delaware on June 14th, the winds were too high to get out to the Breakwater. The tournament was postponed to June 21st, so watch for the account next month. The winners will represent the M.A.U.C. at the East Coast Finals in Connecticut in July.

Winners of the MAUC Tournament. Front row: Harry Wiseman, Gordie Groves, Joe Wright, Frank Groening and Paul Hackett. Back row: Harry Sefton, Phil Wayne, Bob Border, Paul Mumford and Bill Cox. Missing is Joe Thompson.



"SOLQUEST"



In Quest of the Sun



LEN STAPLES

Len Staples will be remembered by many of our readers as one of our first correspondents who wrote from Australia for "Skin Diver" . . . among other contributions, "Survey the Australian Spearman" was written by Len Staples, who also introduced skin diving into Tasmanian waters and founded the Underwater Spearfisherman's Association of Tasmania.

Since 1949, Len and his wife Joyce have been making determined efforts to emigrate to the U.S. from Tasmania. Only 100 Australians per year are permitted entry into the United States, and with more than five thousand currently awaiting entry, this means a theoretical minimum wait of fifty years!

Small wonder that the Staples decided to do something about it! Selling their home and business, they had designed and built the 40 foot auxiliary yacht "Solquest", . . . (a name coined by Joyce, and meaning "quest for the sun") in which they set sail from Tasmania on January 4, 1956. In Melbourne and later, Sydney, the "Solquest" was brought to completion and they sailed past the sandstone portals of Sydney harbor, outward bound, on May 11, '57.

Len has written a book of their travels in which he has covered all of the highlights of the adventurous voyage, every day presented a new adventure, and for which he is now seeking a publisher. Interested publishers may write to Len at 1651 Ala Moana Blvd., Honolulu, T.H.

Their saga nearly ended in tragedy. Leaving Tahiti, Len and Joy, (who was then six months pregnant), sailed "Solquest" with Len Junior, aged 8 years and Wayne, aged four, two and a half thousand miles to Hilo, Hawaii, where they were interrogated by the United States Immigration Authorities, who instructed them to enter the Port of Honolulu, (240 miles further on), in daylight hours only.

Leaving Hilo, hard weather pressed "Solquest" rapidly ahead, so that 30 hours out of Hilo, she was hove to ten miles off Diamond Head at ten o'clock at night, waiting for the dawn before standing into Port.

Thirty hours of non stop sailing, unrelieved, had exhausted Len, and although he was not then aware of it, he was on the brink of serious collapse from hepatitis, a serious infection of the liver which he had contracted in Tahiti. With "Solquest" hove to in the blinding rain squalls which drove offshore, he set the alarm for an hour later, when a check of her position showed that she was still holding offshore . . . this time, his physical exhaustion caused him to lie down without resetting the alarm . . . he slept soundly, while the treacherous wind veered into the east, causing the ship's drift to become onshore, where, trapped by in-setting tide and coastal currents, "Solquest" was hurled onto a coral reef by foaming breakers.



The yacht was saved twenty-five long hours later with almost no damage. An incredible advertisement for her designer and builder, and a tribute to the United States Coast Guard, yachtsmen and others who rallied around to help the shipwrecked Staples. Len was hospitalized, and now, eight months later, has conquered the disease, one of the few remaining for which no drug or medicine can be prescribed . . . diet, rest and no alcohol are the curing factors. He is now overcoming 60% anemia, a legacy of the disease.

Joy gave birth to another Son, Kim, born on the 24th of January . . . "Our first American in the family" she said.

Since their arrival, they have fought hard to win the American citizenship they covet . . . held to be excludable and deportable because they came only with visitors visas yet with the honestly stated intention of winning residence, they appealed against this ruling to the Department of Immigration in Washington. Their appeal was denied. They won so many friends in Honolulu that they were able to have introduced in Congress a Private Bill to give them the authority to reside in the United States. For reasons as yet unknown, but understood to be policy they have had consideration of this Bill denied. At this time Len is seeking as a sponsor, some American Company who can petition for his entry as a required immigrant, claiming his Australian background and extensive Sales Promotion

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NEW CLUB GETS A WORKOUT

On April 30th, just a short time after the formation of an emergency team, the New Haven YMCA Tritons were put to the test. At 10:00 a.m. a fisherman reported seeing a light plane crash into Long Island Sound off the East Haven, Connecticut shore. The pilot of the plane was Edward Carney, executive and part owner of the United Tool & Die Company of West Hartford, and the H. F. & M. Tool Co. of New Haven. The East Haven Police Dept. sent a boat out to look for wreckage, but not a scrap could be found. The only sign was an oil slick. The police, aided by a New Haven Police boat and a radar-equipped Coast Guard cutter searched the area for five hours, until grappling hooks had snagged onto the plane's engine.

At 3:00 p.m. Dominick Farrara, First Selectman of East Haven, called in the skin divers. Three divers went down first to secure the grappling hooks to the engine of the plane. One diver said that they swam in circles looking for the body or any other stuff they could find.

Up until this time they did not know whose plane it was, but identification was speeded up by the skin divers when they reported the plane's serial number and another diver came up with the plane's papers, found near the twisted control panel.

and advertising background as being of value to them . . . the chances of such a petition being granted are good . . . (interested sponsors, write Len direct for complete details of his background) . . . but we figure a guy who is as determined as this to get into the country is worth having.

About the time this story is due to appear in print, the "Solquest", with Len aboard, will be on her way from Honolulu to San Francisco, from where she will sail a few days later to Newport, California. With three young sons, the Staples have reluctantly decided that living aboard is no longer desirable, so "Solquest" will be sold and as soon as they solve their problem of attaining residence, they will build or buy a home in this country.

New Haven Tritons during their salvage of parts of the wrecked aircraft. Depth of water in Long Island Sound at this point was 35 feet.



—S. P. Syrotiak, Jr.

After the control panel and fuselage were put on board the police boat three more skin divers joined the search which went on until dark. The divers were down about 30 to 35 feet, and they could see only 5 to 8 feet.

The Triton club was cited for their work by both the United Tool and Die Co. and by First Selectman Dominick Farrara. The Company sent the Triton Club a check for \$500.00. The Tritons decided to purchase an air compressor with the money since there is no air station in the New Haven area.

On May 28, the Tritons sponsored a lecture on skin diving held at the YMCA auditorium. Guest speaker was Commander George F. Bond, M.D., of the New London Submarine Base. Doctor Bond spoke on the medical aspects of diving and diving medicine. Dr. Bond also showed some of his slides of skin diving in Hawaii.

The air compressor purchased by the Tritons is now located at the New Haven Diving Center, 14 Hemingway Ave., East Haven, owned and operated by Paul Tzimoulis and George Burt, and ironically close to the scene of the fatal plane crash.

This "Solquest" is a ship well worth seeing . . . a fraction under forty feet long, she is beautifully fitted out with a choice selection of Australian cabinet timbers . . . in her main cabin a parquet floor of twenty choice woods contrast with the paneling of Golden Ash, and an intricately grained table top of camphor laurel. The separate stern cabin is fitted out in several varieties of oaks, the forward sleeping cabin in figured Myrtle. She has been valued at sums ranging from \$25,000 to \$30,000. "I expect to sell her within a few weeks of arriving on the mainland", Len wrote. "Get your gear together, Chuck, we will be getting in a dive or two before I let her go!"



Jerry Olson receives some first aid after cutting his hand on the wreckage. The new club was cited by authorities for their valuable assistance in recovering plane parts from the bottom.

DRIFTWOOD



... The mail was thinner than an emaciated pancake this month. I assume this is because You have been diving and boating and water-skiing and, generally, keeping too busy in the Jollytimes Department to write. Since it's summer, and a pretty fine summer at that, it figures. Who wants to bother writing letters when the sunlight dances on the water and the sound of the surf beckons? Apparently, the following letterwriters are made of stern stuff, indeed. . . .

LONELY HEARTS

Gee . . . you've got poets, intellectuals and dreamy looking diving-dolls in California. New York's got a real cute diver who is also an engineering major, in his junior year. Me. Now, how about some pseudo-intellectual (the real ones are just too-too) dolls (and I mean dolls) picking up their pens and forgetting that they have aquaphobia, for awhile. Have convertible, will travel.

MIKE BARD
50 Kenilworth Place
Brooklyn 10, N.Y.

We've also got oranges, The Beat Generation and Disneyland—all of which we'd rather not think about.

After reading this page for awhile, I've decided that I cannot miss the fun. My views on teenagers, as divers, may be shocking. I think that properly informed teenagers prove to be safer underwater than older divers. Of all diving fatalities there are more adult accidents (due to age) than any other cause. I'm 16 and like to dive very much. I'm looking for a diving buddy (female?) in my vicinity. Also, I would like to join a diving club. Any club with open memberships please send me information. Laguna Beach is not too far.

BOB STOLL
311 North Jefferson
Fullerton, California

Somebody get word quick to Commander Cousteau about what can happen to old men in the sea.

SCRIPT-TEASES

Thanks a million for printing my verse. Now, where's the check for it, you dope? I'll bet you've received a couple of tons of mail, from the fellas, wanting to know my address! Any guy who wouldn't want to know an earthy-type gal like me doesn't have red blood in his veins!

DEENA ELLEN JONES
San Francisco, California

The only word on you, to date, honey: Some blue-bloods wrote, notifying me that you have been banned in Walnut Creek.

I think your column is a pretty sad way for the publishers to use up space. I've met your type before. You talk up a mighty provocative storm, but when it comes to really getting down to cases—you holler for your wife or your mother or your elderly, maiden aunt. Why doesn't the magazine find a good looking, single man (of action) to write the Driftwood column instead of you. Fat, married old you. Pfu!

JACKI MURRAY
Tacoma, Washington

If you don't stop pawing me this instant, sister, I'm gonna yell for Mike Bard.

Because I was new to California, very lonely, interested in water sports and had heard there was a surplus of available guys my age (27), I went out and bought all the equipment my budget allowed—and started hanging hopefully around the various places which the SKIN DIVER lists as veritable hot spots of diving activity. Brother, what a let-down! The single guys were too busy diving to even offer to help little old me learn anything; and the married guys couldn't get within ten feet of me for their wives. I won't send my picture because I'm not quite that vain, but would you ignore a lonely brunette with a 36/24/32 figure?

CONSTANCE HARRISON
Santa Monica, California

I don't think so, but my wife says I would.

HERO

Here is a photo of our newest member. It was taken after his first dive. We call him "Our Boy, George."

TIM KOVERMAN
Jupiter Skin Diving Club
4274 Cordell Drive
Dayton 9, Ohio



Which way did they go, George?

DIEHARD

I don't think you have ever cleared up this problem of legal limits on manta rays to anyone's satisfaction. You owe it to your following to do so. I have heard many people say you don't possess sufficient authority to speak upon the subject. Please deny this by instantly giving out with impressive facts. I shall be morbidly disillusioned if you fail to clarify the matter to everyone's edification. Surely, you have the necessary facts, don't you?

TED KONDOLI
Belmont Shore, Calif.

Dammit, they were right here a minute ago . . .

EXHIBITIONISTS

Man, just what do you do when there isn't any water nearby? The West Texas Seahorses have a great location for this stuff. We are so centrally located that we don't think much of driving a couple of hundred miles just to go swimming. During the Easter holidays, 17 of us went to Guaymas, Mexico (1,097 miles) and had a ball! A dozen of us went in a 1957 Ford Truck. Three rode in the cab and the rest slept in the back. Bedding was laid over all our gear which made a family-size bed for nine. Lawn chairs occupied the rest of the space. A telephone was hooked up between the cab and the "bed" for vital communications. Well, that's the way the springs sprang up and left us high and dry. What to do is the question we face now. So which way does the water flow where you live?



DON WEEKS
West Texas Seahorses
Lubbock, Texas

Well, I live on this island, see, and . . .

CRITICS

Kohler, you never seem to give any of the various clubs a decent plug, now and then. What's the matter, boy—sore because no club will have you?

DAN FERGUSON
Boston, Massachusetts

Not a bit. I, sir, am a HARTFORD GILLMAN. Of course, they're in Connecticut and I'm in California, but . . .

And where in hell were you, Kohler, during the recent Star Mop on the Federal Breakwater? We looked and looked for you, but nobody in our outfit reported seeing an overweight, big-mouthed coward doing his part in the operation. Kindly explain this so we can stop fretting about it.

JEAN GIBBS
Los Angeles, California

I was busy, putting the poor, defenseless little things back in the water, that's where I was.

I've noticed Driftwood has been driftin' lately. Not spunky, like the old days. And what's with this "uncle relhok" business? There's nothing wrong with the all-time favorite, Kohler. Have they impounded him?

TOM SCHMIDT
5110 South 1st
Louisville 4, Kentucky

Don't give Them ideas.



Your column would be a lot more enjoyable if you would take the trouble to infuse the nonsense with an occasional bit of fact and educational highlighting. There are any number of readers who could get a lot more excited about your column if it didn't read so consistently along the lines of something composed for morons, idiots and the mentally retarded. You claim to be a diver, interested in diving. If so, why not prove your sincerity by producing a column of certain worth to those of us who genuinely love the sport and take it seriously enough to spend good money on it as well as our time and attention? What do you say?

FRED GREENE
Detroit, Michigan

I say come over here and let me help you remove some of that stuffing from your shirt.

PHILOSOPHER

If any of the boys who would like to become acquainted with pretty gals would *talk* to the gals, instead of just standing around, staring at them—they might have a little more success. Jerry McGuire, who moaned so heart-breakingly in the June Driftwood, has been out on the "Vellron" with us, a number of times. He just *stands* there. The trips we take around with luscious babes and it's very interesting—almost as interesting as diving. Enclosed, find a snap of comely Marcia Gwin, who is now learning the fine art of skin diving. She's fairly attractive, and—if Jerry will look around—he will find women are almost as numerous as fish. I'm taking four of them on our next, scheduled trip via the "Vellron": Mel Fisher says the more, the merrier.



DON MORRISON
37931 Melton Avenue
Palmdale, California

That's what Mel says, eh? And what does Dolores say?

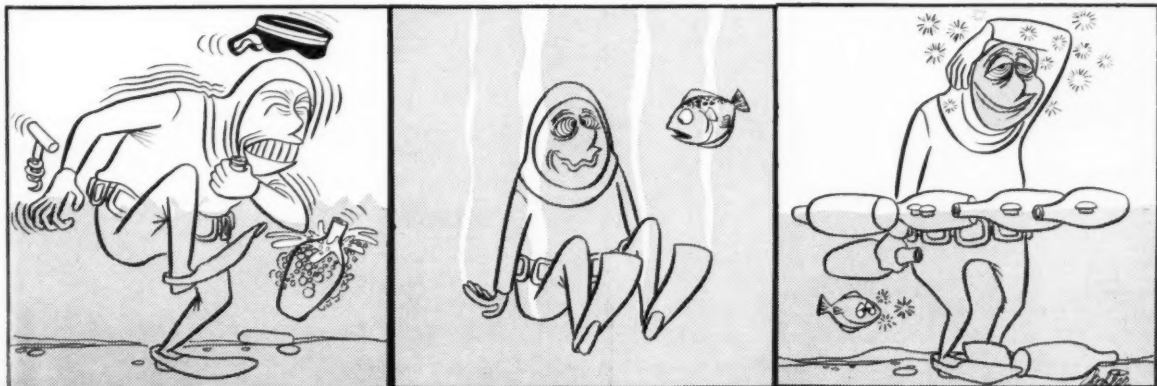
... anyway, there's the mail for this dazzling month and, to quote an old Germanic proverb: "No Matter How You Slice It, It's Knocked Worse." If you are all pent-up with irritation, enthusiasm and ridiculous notions—write to Driftwood. If you are given to writing letters which are never answered—write to Driftwood. If you long to be cherished, admired and envied beyond your wildest dreams—write to Driftwood. And, meanwhile, keep your mouthpiece cleared.

uncle relhok
President, Society For The Protection Of
Star-fish, Unmarried Girls and Teenagers



McSPLASH

By Carl Kohler



SKIN DIVER—August, 1958

31

WASHINGTON COUNCIL OF SKIN DIVING CLUBS

Compiled by
Ken Way, John Miller and Dick Klein

THE TACOMA SCUBANEERS

The May 11th meeting of the Tacoma Scubaneers was broken up at the Market Marina from a call by the Pierce County Sheriff asking us to search a lake on the Fort Lewis Reservation for two soldiers who drowned in water eight to ten feet deep. Two search and recovery teams responded and by the time the persons in charge got things organized, it was 10:15 p.m. Just before the divers entered the water, one body had been found by dragging methods. The two teams used a modified search pattern and located the other body by feeling as visibility was absolute zero even with a strong light above the surface.

The Army officials were most appreciative and the publicity was very favorable. Divers who took part in the search were: Jim Saunders, George Rotstad, Ray Herbig, Kirby McDonald, Dick Ware, Bob Kroeger, Mike Dupenthaler and Ed Young.

SHERIFF'S DIVERS

Congratulations are to be extended to the King County Sheriff's divers who recovered the bodies of three victims who drowned during the month of

May. In particular, Tom Regan and Gordy Monahan for the Lake Washington recovery, Clark Wheaton for the Hunts point recovery, and Carl Hove and Charles Fendrych for the Lake Hicka recovery. The successful recovery of the bodies under hazardous diving conditions, 0 to one foot visibility at depths to 120 feet indicates the skill possessed by the men of this organization who are specifically trained in this field of diving. This brings to a total of 31 bodies recovered by the King County Sheriffs Divers in the last 2½ years.

Y. M. C. A. DIVER'S CLUB

Y. M. C. A. Divers report a full schedule of activities for the past month: Club sponsored Sequim dive was "wet" on the 4th of May when the group got together for the dive. Next team effort was two entries at the World's Championship Octopus Wrestling Contest: Participating were club president John Miller, Ed Wilson, Bob Jackson, Buck Brower, Holly Snyder, and Merlyn Wilson. This effort resulted in our club treasurer, Merlyn Wilson, gathering honors with Mr. Octopus on May 11th, Mother's Day, a great accomplishment for a mother of four.

Repercussions were felt on this as far away as Nebraska as Merlyn's mother read of the event on the AP release and stated she didn't raise her daughter to be an Octopus wrestler.

A good time was had by the 7 families and 3 singles who participated in the April 19 and 20th outing at Rosario Beach. Although the weather was not too promising it couldn't have turned out better up North. Fishing was excellent and Ed Wilson provided his catch for a community fish fry.

Want to go diving? Just name the

place and time and you're on. This happened the other day at Langle Dock on Whidby Island. Result: 8 families and 5 singles reported a wonderful outing. These family outings are the greatest and the YMCA Divers invite guests to look in the advantages of the club. We meet at the downtown YMCA each month.

NOR'WEST DIVERS

Have located a large "Admiralty" type anchor, apparently of sailing-day vintage, and are proceeding with plans to raise it. Looks as if it might weigh several tons.

Frank Wolff discovered it lying in 11 fathoms of water, in Puget Sound, about 1,000 yards from shore off West Seattle. There will be more on this in the next issue.

MUDSHARKS CLUB

The 3rd annual Olympic Peninsula Spearfishing Championship held at Port Townsend was viewed by more than 3000 spectators with 55 divers taking part in the contest. The total aggregate pounds of fish taken by all of the participating clubs was 402 pounds. First place was taken by the Mudsharks; Gary Keffler, Bill Mertz, and John Tallman with a total of 67 pounds, 7 oz. Second place: Victoria B.C. Skin Divers: Bill Hook, Allan Hook, and Denny Kampton with 63 pounds 11 oz. total. Third place: Mudshark teams of Jim Blanchard, Dale Dean and Dick Klein with a total of 62 pounds. Dale Dean took the largest fish trophy with a 16 lb. ling cod.

Tom Amerman of the Oregon Divers had airplane trouble and did not get with his team mates until close to dive out time. His buddies, Bob Holmes and Dick Wald with Tom's help dropped into 4th place with 46 pounds 15½ oz. Other clubs participating were the Port Townsend Pile Divers, Y Divers, Snohomish Kelp Kats, Northwest Underwater Research Group, Spokane Skin Divers and Nor'west Divers.

The Mudsharks put on an underwater safety skin and scuba diving exhibition in Everett, Washington in conjunction with their Maritime Celebration. They also included a demonstration of a sea sled.

Dick Klein of the Mudsharks took a 95 pound 12 oz. skate skin diving to establish an official Northwest record. The unofficial record is 115 pounds held by Fran Skidmore.

Sam Meln, president of the Mudsharks on a short holiday to La Push. "The water was crystal clear and only 15 to 20 feet deep and me without a camera."

Bill Mertz took a 91 pound skate scuba diving at Lopez Island in the San Juans for an official Northwest record.



First place awards at the Olympic Peninsula Spearfishing Championship go to John Tallman, Bill Mertz and Gary Keffler of the Puget Sound Mudsharks. Their total weight was 67-lb. 7-oz.

RESULTS OF SOUTHERN PACIFIC ELIMINATIONS & FINALS

Sunday, June 29, Salt Creek, California. 1958 SPAAU Competitive Skin Diving Eliminations. First place team: MUIRMEN, Frank Hops, Dick Jappe, Del Wren, 103-lbs., 5-oz.; 2nd place, Pescadores; 3rd place, Cormorants; 4th place, Southern California Skin Divers; 5th place, Long Beach Neptunes; 6th place, Dolphins; 7th place, L. B. Douglas Tridents; 8th place, Kelpomaniacs; 9th place, Sea Bears; 10th place, Neisi Kelp Tangles; 11th place, Five Fathoms; 12th place, Laguna Free Divers and 13th place, Northrup Rec. Center Kelpworms.

There were a total of twenty-six teams vying in this elimination contest, the top thirteen or fifty percent, were eligible to compete in the SPAAU Finals on July 13.

The largest fish award, donated by "Aquatic Center" in Newport Beach, went to Del Wren of the Muirmen for his 8-lb., 1-oz. Sheepshead. Second largest fish (7-lb., 15-oz.) was taken by Bob Weaver of the Long Beach Neptunes. Total aggregate weight honors went to John Gaffney of the Pescadores for his 56-lb., 12-oz. catch. Doug Stanley (47-lb., 12-oz.) and Del Wren (47-lb., 9-oz.) earned second and third spots in the total aggregate weight category. Trophies for total aggregate weights were given by "Skin and Scuba Shop" in Malibu.

New fish size limits were observed this year, 12 inch minimum on Perch and 10 inch minimum on all other fish unless differently specified by the Fish and Game.

Sunday, July 13, Scotchman's Cove, Laguna Beach. SPAAU Competitive Skin Diving Finals. First place team, MUIRMEN, Dick Jappe, Del Wren, Frank Hops, 107-lb. 5-oz.; 2nd place, Dolphins, Johnie Carroll, Lynn Stephey, Dan Dannison, 83-lb. 3-oz.; 3rd place, Cormorants; 4th place, Long Beach Neptunes; 5th place, Laguna Free Divers; 6th place, Neisi Kelp Tangles and 7th place, Pescadores. These seven teams, fifty percent of the field, are eligible to compete in the Pacific Coast Championship to be held on July 27 at Diver's Cove in Laguna Beach.

First and second place winner for the largest fish trophies was Lynn Stephey of the Dolphins with a 16-lb. 13-oz. White Sea Bass and a 5-lb. 12-oz. Sheepshead. Third place went to Dick Jappe of the Muirmen. Big fish trophies were presented by "Ski N' Dive". Top individual aggregate weight man was Del Wren of the Muirmen with 53-lb. 12-oz.,



Queen Beth Cox and her attendants gather before the trophy table ready to present awards to the winning teams for the first spearfishing contest in Texas. The occasion of the meeting of divers and clubs from several states was the formation of the South West Council of Diving Clubs. Hal Lattimore was elected president.

SOUTHWEST COUNCIL OF DIVING CLUBS

Saturday, June 7, 1958 will long be remembered by diving enthusiasts in the great southwestern portion of the country. On this date the South West Council of Diving Clubs was formed by some twenty clubs at a meeting at Possum Kingdom Lake, near Mineral Wells, Texas.

Clubs attending the organizational meeting were: Inland Divers Assoc., Inc., Texas; Corpus Christi Skin Divers, Texas; Kansas City Frogmen, Missouri; Houston Underwater Club, Texas; Tulsa Divers, Okla.; Dallas Divers, Inc., Texas; Oklahoma City Scuba Divers, Oklahoma; West Texas Seahorses, Texas; Chance Vaught Aircraft Divers, Texas; Hammerheads, Texas; Devil Rays, Texas; Aquabats, Okla.; Oklahoma City Blue Gills, Oklahoma; Brazos Port Undersea Club, Texas; C.R.A. Convair Divers, Texas; Possum Kingdom Divers, Texas; Victoria Divers, Texas; Gurglers Diving Club, Okla.; and the Ft. Sill Diving Club, Oklahoma. Over 300 divers attended the meeting.

The major business of the new council was to elect officers and create committees and committee chairmen. Offi-

second place was Lynn Stephey with 44-lb. 15-oz., and third place to Steve Braillo. Individual Aggregate trophies were presented by "Penquin, Inc." First, second and third place team trophies were given by "Underwater Sports Shop" in Long Beach.

The above seven place teams will join other association winners on the west coast for the July 27 Pacific Coast Underwater Spearfishing Championship, sponsored by the Southern Pacific Association committee, to determine the regional champion for the Nationals in the Bahamas.

cers elected were: Hal M. Lattimore, President; J. A. Hays (Missouri), Phil Bayouth (Oklahoma), Joe Coffield (Inland Louisiana), Roland Riviere, Jr. (Gulf Coastal Louisiana), Willis Logan (Inland Texas), George Yuman (Gulf Coastal Texas) Vice-Presidents; Bert M. Smith, Jr., Secretary; Bill Flagg, Treasurer and Dorothea McDermott, Corresponding Secretary and Publicity. Yet to be elected is a vice president from New Mexico.

On Sunday, following the Council meeting the divers retired to the inviting waters of Possum Kingdom Lake for the First Annual Underwater Spearfishing Contest in Texas. A total of 115 spearfishermen joined in the hunt and speared 520 pounds of buffalo, carp and other rough fish. The Inland Divers, Inc. Club, hosts for the week-end conference, awarded trophies and prizes to the following winners and teams: Bill Flagg, largest fish; Jim Pressley, greatest aggregate weight; C.R.A. Convair Divers, total aggregate weight, George N. Herrera and Mack Blaker, Sportsmanship; Kansas City Frogmen, Team Sportsmanship; and Inland Divers Assoc., Inc., Rotating Club Trophy.

An added attraction for the weekend was the selection of a beauty queen for the title of "Miss Southwest Diver of 1958". Judged fairest of them all was Beth Cox of Fort Worth while Noell Smith and Wanda Logan will reign as princesses.

Many new clubs are being formed within the jurisdiction of the South West Council of Diving Clubs. They should immediately contact the Corresponding Secretary, Mrs. Dorothea McDermott, 5610 Tulane Street, Ft. Worth, Texas, for admission as members to the Council and to take advantage of the many special activities planned for the future.



Let's talk about . . .

UNDERSEA PHOTOGRAPHY

By

ERNEST H. BROOKS

President and Founder

Brooks Institute of Photography

Some time ago I became keenly interested in the problems of the amateur photographer who attempts to make photographs underwater. So I undertook to investigate for myself to find some solutions to them.

As a result of my experiences I am convinced that if you can make a good photo on land, you can do the same underwater. The special problems met down under are not too difficult to overcome.

Now I certainly do not pretend to know all the answers on photography. However, with the aid of the instructional staff of Brooks Institute we have many of the answers and can find the ones we don't have. In addition I will be making tests and experiments from time to time for you and will pass the information along to you through these columns. For example, I will be in Guaymas, Mexico, during the month of October checking on new materials and equipment.

Your questions will be most helpful to me by letting me know the specific problems that bother you. Let me hear from you through "Skin Diver" Magazine.

What is the best time of day for photography? On land you can work from nine to five, omitting the hours from eleven to one because of the shadows cast by the overhead sun. Underwater, however, the best hours are from eleven to one. At this time the sunlight is the most brilliant possible down under.

Since most of us must use the same camera underwater as we use on the surface, our first problem is to realize that the water around us affects the way the lens sees and gives a telephoto effect. Thus the normal lens becomes a telephoto lens. The only way to get around this, for those of you who have a camera with interchangeable lenses, is to use a wide-angle lens. With the medium wide-angle lens the water gives you the effect of a normal lens. Those of you who have a camera without in-

terchangeable lenses will need to learn to work with the telephoto effect.

When you are under water, you are interested in the many things around you, thinking about your breathing problems, following the actions of your subject, and, in general, wanting to think about everything except the mechanical operation of your camera. So, if you can standardize your camera controls, you will get better pictures with less effort.

The first thing to standardize is the camera's focus. Most of what you photograph will be fairly close to you. By setting your $2\frac{1}{4} \times 2\frac{1}{4}$ camera for $6\frac{1}{2}$ feet with a lens opening of f:22, your subjects will be in focus from $4\frac{3}{4}$ feet to 10 feet. With this depth of field, you will not need to worry about refocusing the camera for every picture. However, if you want your main subject to be really sharp, it will still be necessary to focus on it exactly. The above method just lets you work with the least fuss possible while under.

Somewhere you have probably read or been told that objects under water appear to be at a different distance from what they actually are. For example, that something which is actually 12 feet away appears to be only 9 feet away. So what? The camera lens sees things exactly as you do. So if it looks nine feet away, focus your camera for nine feet.

As a result of the telephoto effect mentioned before, we have a problem with losing depth of field under water. Suppose, for example, that you are shooting with a $2\frac{1}{4} \times 2\frac{1}{4}$ camera, whose lens is the normal 75 mm lens. You have focused for $6\frac{1}{2}$ feet and your lens is set at f:11. Your depth of field is from $5\frac{3}{4}$ feet to $7\frac{3}{4}$ feet. This isn't very much, is it?

How can this be increased? The easiest way is by using a faster film which will permit you to stop the lens down further. Thus, if you have been using Tri-X film at ASA 200, change to Royal-

The Brooks Institute of Photography was founded in 1945 by Ernest H. Brooks, a nationally-known photographer and teacher. In the intervening years, the Institute has become known throughout the world as a leading school of professional photography. Graduates of the Institute are to be found in every part of the nation and in all major countries of the globe.

The Institute, whose facilities were built at a cost of \$2,500,000, is situated on a seven and one-half acre campus overlooking the city of Santa Barbara and the Pacific Ocean. By combining a highly-qualified faculty and extensive facilities with an excellent climate and a wealth of local natural and architectural settings, the Institute has created the ideal environment for the study of professional photography.

The professional curriculum at BROOKS is 28 months in length, and provides the graduate with an excellent foundation for any phase of photographic specialization.

The first year of study is devoted to mastering photographic fundamentals. At the beginning of the second year each student chooses a field of specialization in which to major. In addition, the advanced students also acquire an extensive knowledge of the latest developments in color photography and a sound background in 16mm motion picture production.

After completing the professional course, BROOKS graduates are qualified to enter general photography or a particular specialization. In both fields they continue to establish outstanding records of accomplishment.

S Pan, which is rated at ASA 800. Now you can shoot at f:22. This will give you a depth of field from $4\frac{3}{4}$ to 10 feet when you are focused at $6\frac{1}{2}$ feet.

If you do your own processing and want finer grain than Royal-X Pan will give you, you can try Tri-X at ASA 800 by developing it for 10 minutes at 70° in FR-X-500 developer diluted 1:10. The development time will vary with the contrast required—but more about that next month. In that column we'll give you a good method of testing so that your negatives will come up with the proper contrast.

(Ed. note:) Skin divers seeking answers to photographic problems are invited to address their inquiries to Mr. Brooks, in care of "Skin Diver" Magazine. While it is not possible to reply to each letter individually, he will answer your questions in future columns on Underwater Photography. ➤

DIVING AMONG 17TH CENTURY WRECKS

(Continued from Page 17)

still quite useable. A mermaid, carved in oak, is probably one the finest sculptures which we have found so far. She was found by Bob Dill and myself on one of our dives last summer when he was visiting us. She lay halfway down in the clay a little aside from the main part of the wreck.

Another extremely interesting find are the hand grenades. It is believed



One of the 300 year old plates recovered from the Riksapplet.

that these are among the only ones now in existence from this period of time. During the 17th century they were made of clay and consisted of a little pot which was filled with black powder. The outside of the pot was covered with a piece of linen; before the hand grenade was thrown, a fuze was attached to it and lit. When it hit the deck of the opposing ship the clay burst and the black powder was exploded.

The other wreck which we often visit in the archipelago of Sweden is the "Grone Jagaren." She, however, is not an ideal subject for a diver as is the "Riksapplet." This wreck lies almost



Small ceramic casserole brought up from the wrecks by scuba divers. Many of the items recovered are in a perfect state of preservation.

directly under the main course of ships traveling into Stockholm, at a depth of 28 metres in an area often exposed to strong southwest winds. Because of this adverse location and the depth there has not been as much diving on this ship as on the "Riksapplet." She was a small ship, having a length of about 90 ft. and a beam of 22 ft. She had about 25 guns and her crew consisted of approximately 80 men. She also sank in 1676.

According to historical records her sinking was caused by a fierce fire which ignited her powder store, causing her to explode and sink. We have only salvaged a few items from the "Grone Jagaren," among which were wood carvings and wheels made of oak from gun carriages. The visibility is usually very poor at the depth of the wreck. Usually no more than 2 meters (6 feet), this is poor compared with the visibility on the "Riksapplet" which is usually 3-4 meters (9-12 feet). Because of the poor visibility underwater photography in these areas is quite a problem. To obtain pictures it is necessary to use a wide angle lens and flash bulbs and even then photos have to be taken at very short distances, preferably not more than one meter. Using subjects near the camera we have managed to get rather good color photos in the low visibility water at the "Grone Jagaren."

The location of the "Riksapplet" and the "Grone Jagaren" has been known for hundreds of years, but the third ship, and probably the most interesting of the three, the "Wasa," was not re-detected until the fall of 1956 by an amateur marine archeologist, Anders Franzen from Stockholm. This ship was about the same size as the "Riksapplet." She sank in 1628 about half an hour after she started her maiden voyage from the Naval Shipyard in Stockholm. Apparently there were some mistakes, either in the maneuvering of the ship or in her construction, because as she was sailing out of the harbor and hit by a sudden wind, she lay over and sank very quickly in about 30 meters (90 feet) of water. Of interest is that even at this early date there are records which show that divers were down on the "Wasa" within one year of her sinking and evidence that a few years later some of the guns were salvaged.

These seventeenth century divers knew very little diving physiology, as is indicated by historical accounts which relate, "that the divers frequently came to the surface coughing out blood and then died," but in those days men were cheap and guns extremely expensive, and diving continued.

After her discovery in 1956 the "Wasa" has been examined many times



Gosta Fahlman in typical Swedish Navy exposure suit and wearing the standard A.G.A. scuba unit. — Photo by Bob Dill.

by the Navy's helmet divers. She stands on even keel on the bottom, the hull seems to be very well preserved by mud and clay and the condition of the ship seems to be so good that there are people who believe that if she is brought to the surface she will float again. The rigging has of course fallen down and much of the upper deck has been destroyed during early salvage attempts, but the main and lower decks seem to be in excellent condition. A few things have recently been salvaged from her: part of the main mast, one of the anchors and an extremely fine carved sculpture. The dimensions of the salvaged mast are impressive, it is 19 meters (57 feet) long and about 70 centimeters (almost 2½ feet) in diameter. This year there will be an attempt to salvage the whole ship. The divers' job is very difficult due to the darkness and the mud. I have been down twice with Scuba and although I was very careful not to touch the wreck or the "bottom" (actually I never felt a bottom) and had a 1000 watt lamp with me, I could see only about half a meter (1.5 feet) in front of me and if I happened to touch anything, easily done among all the masts and other objects down there, I could hardly see the lamp. We have tried to take photos of the wreck, but so far we have not been successful. We are, however, going to make another attempt this spring.

If the salvage of the "Wasa" is successful, she will be one of the oldest and well preserved links with our maritime past and an excellent subject for study by marine archeologists. The investigations of these wrecks, as you see, makes my diving here in Sweden well worth the time and effort I must spend each remaining day here at my desk.

U.S. National Competitive Skin Diving Championships

U.S. Open Invitational Skin Diving Meet

International Open Spearfishing Championship

Eligibility Rules — General Information — Officials — Equipment — Registration
Awards — Competition Area — Calendar — Schedule

General Information

WHO MAY ENTER?—U.S. National Skin Diving Championships—A club which has been organized at least three months (90 days) prior to August 17, 1958 may enter one team. Clubs must be registered with the A.A.U. by August 4, 1958 to be eligible to enter a team. A team must be composed of three individuals. A club may enter one alternate, who may compete in the event of a regular team member's inability to compete. No alternate will be allowed to replace a team member after the start of competition. All individual team members must also be registered with the A.A.U. The team must be the 1958 Regional Champions of their particular region as defined by the A.A.U. Competitive Skin Diving Rules.

The 1957 National A.A.U. Competitive Skin Diving Champions, Long Beach Neptunes, may enter the 1958 Championships as defending champions.

WHO MAY ENTER?—International Open Spearfishing Championships—The international teams competing for this championship will be only those foreign teams which are the National Amateur Champions of their particular countries, or considered as such. Italy, France, Yugoslavia, Canada, Mexico, Central and South America have been invited. This includes the seven U.S. Regional and Defending Champions.

The 1958 National A.A.U. Competitive Skin Diving Championship and the International Open Spearfishing Championships will be run concurrently and will be governed by identical procedures and the A.A.U. Competitive Skin Diving Rules shall govern in both events.

TRAVEL PERMITS—U. S. Teams—A travel permit for the team must be obtained, through their local registration committee, to compete abroad. Said permit will be issued only from the Foreign Relations Committee of the A.A.U. of the U.S., James F. Simms, Secretary, 233 Broadway, New York 7, New York.

AREA OF COMPETITION AND DURATION AND TYPE OF MEET—The waters surrounding the Grand Bahama Club, Grand Bahama Island will be the general competitive area. The waters on the southerly side of the island are off limits to all competitors for seven days prior to the competition.

The meet will begin at 8:30 A.M., and end at 12:45 p.m. on August 17, 1958 and will be conducted by A.A.U. Ship-Based Rules. No contestant shall be permitted to enter unless he is at least sixteen years of age.

EQUIPMENT PERMITTED—Only guns loaded by muscle power of the contestant are permitted, such as rubber or spring propelled. There need not be a line attached to the gun as visibility generally exceeds one hundred feet.

WEIGHT MINIMUM—As the surrounding waters of Grand Bahama Is-

land abound in practically every warm water species of fish, and fish life is unbelievably plentiful, the minimum weight allowed during the meet is four pounds. Fish may not be gutted prior to weighing. Each contestant's catch must be kept separate and must be tagged for identification. All catches will be washed down immediately and weighed upon returning to dock.

OFFICIAL A.A.U. JUDGES—Each of the seven regional championship boats and foreign competitors will have one judge assigned to it as well as the boats of the foreign teams. All regions and countries will have a fair and equal voice in any disputes, should they so arise. Serge A. Birn, National A.A.U. Competitive Skin Diving Chairman, will act as Chief Referee and Judge for both events.

REGISTRATION & BRIEFING—All team members must report to the Registration Booth no later than 2:00 p.m.



Grand Bahama Club, West End, Bahama Islands, scene of the coming three-way competitions that will draw the top skin divers and spearfishermen from all over the United States and several other Nations.

on August 16th. A one-hour briefing period will be held to answer questions at 8:00 p.m. on August 16, 1958.

It is suggested that both men and women come comfortably attired with slacks, shorts, sandals, sneakers, sport and tee shirts. The weather is almost without fail sunny, cool in the mornings and evenings, and very warm between the hours of 11:00 A.M. and 3:00 P.M. It is suggested that the competitors arrive at least two or three days prior to competition in order to familiarize themselves with the surrounding formation.

WOMEN'S OPEN

August 15th

8 00 P.M.—Grand Bahama Club—Coffee Shop—Women's Meet Briefing.

August 16th

8 30 A.M.—Beach Staging Area—South Shore—Women's Teams Assemble.

9:00 A.M.—Beach Staging Area—South Shore—Women's Meet begins.

11:00 A.M.—Beach Staging Area—South Shore—Women's Meet ends.

Sanctioned by: Amateur Athletic Union of U. S.

Sponsored by: Grand Bahama Properties, Ltd.

Awards by: Grand Bahama Properties, Ltd., Helms Athletic Foundation, Owen Churchill, Serge A. Birn, Johnny Weismuller.

MEN'S

August 16th

2:00 P.M.—All men competitors to register at Registration Booth in lobby of Grand Bahama Club.

8:00 P.M.—All men competitors and officials (only) to attend briefing in Coffee Shop (competition area to be announced).

9:00 P.M.—Spearfishing movies (28 minutes) in auditorium.

August 17th

6:00 A.M.—Buffet Breakfast for competitors and officials in dining room. (each team to pick up a prepared lunch box).

7:30 A.M.—All competitors, officials, boat guides to assemble at main boat dock. (Only officials, guides and competitors to be allowed on dock).

7:45 A.M.—Flag ceremony and national anthem at main boat dock.

8:00 A.M.—All equipment checked and boats assigned by drawn numbers.

8:15 A.M.—All team captains and A.A.U. Boat Officials to synchronize their individual watches.

8:30 A.M.—Go signal (pistol shot).

INFORMATION

Each boat will be equipped with similar motors of the same capacity. Each boat will have an equally expert native guide who will handle the motor and

SCIENCE for Divers

By ED GUERNSEY, JR.

PRESERVING MARINE BOTANY SPECIMENS

The field of botany is one which has had little experimentation. The preservation of botanical specimens is accomplished easier than those in the zoological field. However, marine botanical specimens have had even less work performed on them than their terrestrial cousins.

Botanical specimens are primarily used for laboratory study, microscopic examination, display purposes and herbarium collections. The greatest portion is used in the laboratory for study work.

The botanical laboratory study specimen can be preserved in formalin or alcohol, however the formalin is consid-

boat at the wishes of the team captain. The guide will assist the team in location of diving spots but will under no circumstances boat the catch of any of the competitors. The team captain may under no circumstance (except in an emergency) enter the water, but may boat and tag fish for his team. Each boat will consist of one: guide, two: 3-man team, three: team captain, four: impartial A.A.U. Boat Official. The A.A.U. official may not assist the guide, team members or captain in any way whatsoever except in an emergency. The official will inform the team captain and competitors in his boat when one half (1/2) hour remains of competitive time. It is suggested that the boat begin the return to the dock at least one-half (1/2) hour prior to the end of the meet. Pistol shots, whistles, horns will be sounded from the patrol and safety boats informing the competitors of one-half (1/2) hour before end of meet. All catches become the property of the Amateur Athletic Union. Fish will not be gutted.

12:45 P.M.—End of Meet. Black flag will be raised at dock. All team captains will be responsible for having their boats (except in extreme emergency) back at the dock on time. A.A.U. Boat Officials will not allow team or captain to boat any catch taken one second after 12:30 P.M.

1:00 P.M.—General weighing in and recording. All teams to be individually photographed with their catch immediately upon completion of weighing in.

7:30 P.M.—Banquet, Main Dining Room.

9:00 P.M.—Awards Presentations.

ered the best. Plant tissues are fixed (preserved) in a very weak solution of formalin, approximately 4 percent, although large, fleshy sections will require a solution 1 or 2 percentage points higher. Materials fixed in the formalin solutions will keep forever.

Formalin has two outstanding disadvantages in preserving specimens. It has a strong odor, which with practice and use can be overcome, but, formalin's chemical composition often bleaches plant specimens. Even in a weak formalin solution, green-leaved specimens turn a pasty white or straw yellow. The chlorophyll is completely lost. Experimenters will find that alcohol presents the same condition. The chlorophyll can be preserved in the following formulae.

Water (Distilled)	20 cc
Glycerine, Sp. Gr. 1.25	40 gms
Phenol C.P.	20 gms
Lactic Acid, Sp. Gr. 1.21	20 gms
Cupric Chloride	0.2 gms
Cupric Acetate	0.2 gms

The laboratory study specimens may be placed in this solution and kept there until needed for actual use. Complete preservation of the specimen requires from five to ten days.

Divers are more interested in those specimens which he (or she) can collect in the sea. Throughout the course of their dives they will find many types of algae, which when properly preserved and identified make an interesting personal collection or salable collection to school biology or zoology laboratories.

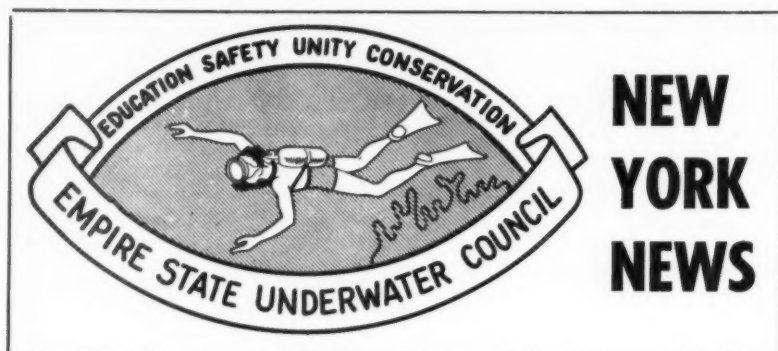
Fucus, a fleshy, marine algae, is fixed by soaking it in a solution of glycerine and then setting it to dry. Other specimens can be fixed in the following formulae.

Formalin, 5%	1 part
Glycerine	1 part

In the event these specimens are to be used in laboratory study, they should be thoroughly washed in running water for a few hours previous to usage.



"Lookit, if you'd been out there since three a.m. without a single bite, you'd keep it too!"



NEW YORK NEWS

By GENE PARKER

Johnson Road, RD #4, Scotia, New York

Well, let's try again. Last month's New York News had to be cut because of lack of space. The following (small print) did not appear in July New York News.



These fellers are the Rochester Sport Divers at Conesus Lake (one of the Finger Lakes) last March. It had a reported visibility of 60 feet!

Here's an idea for your club. The Long Island Dolphins, Inc., writes up all the local diving news in a newsletter dubbed the "Snorkel Snooper." Congratulations to June Keiser for a good job.

The underwater camera and housing raffled off April 18, by the Empire State Council was won by 14-year-old Alfred Sardy of the Bronx.



Baptism—The newly formed Schenectady County Civil Defense Diver Unit demonstrates body recovery at Collins Pond in Scotia, New York.

The Empire State Underwater Council had its downstate meeting May 16, at the West Side Y in New York City. At the same time, the Upstate meeting took place at Syracuse. This is a very

fair solution to the vexing problem of the council being influenced by a majority of either salt or fresh water divers. The downstate meeting was concerned with the Sylvan Lake Treasure Hunt and with the Empire State Underwater Spearfishing Championships at Montauk, L.I., July 13.

Upstate, the meeting was devoted to the forthcoming treasure hunt, tentatively planned for September. Exact date to be announced next month.

The Dutchess divers were called upon to search for two boys who drowned in the Walkill River, one mile north of Paltz, New York. The bodies were recovered two days later a mile down stream from the diver search area.

BIGGEST EAST COAST TREASURE HUNT

Ever see a big flock of geese splash into the water? That's what the 178 divers participating in the Sylvan Lake Treasure Hunt looked like on May 18, as fins flopping, they plunged into the lake.

Brad Luther, of the Northeast Council said he'd seen many diver competitions, but this was the biggest so far.



Individual winners of the "Dutchess Divers" Treasure Hunt held at Sylvan Lake, New York on May 18, 1958. The Worcester Frogmen took first place for clubs and Frank DeBald won individual first honors.

The Dutchess Divers of Poughkeepsie, New York, are to be congratulated on a very thoroughly planned and well-organized meet. The attendance far exceeded the wildest expectations, but the Dutchess Divers were equal to the situation.

Thirty-three clubs from five states, and five skin diving councils were represented.

Presidents attending were: Richard Meyers, Northeast Council of Skin Diving Clubs; William Jacobs, Conn. Council of Diving Clubs; and Ray Keiser, Empire State Underwater Council. Over 500 people (family and friends of the divers) witnessed the hunt. The public was not invited.

The Dutchess Divers had three safety boats with fully equipped divers, an ambulance and a Red Cross Emergency Unit, and a twin engine plane available for any emergency.

Nichols Oxygen Service sold air at \$1 per tank. Nichols was delayed and a compressor from upstate (that's our boy Iverson) made most of the refills.

All divers entered and left the water at a check point. 700 numbered disks were scattered in a buoyed area. About 3/4 of them were recovered. The hunting was good until the mud bottom got roiled up. From then on every diver depended on Braille system.

Here's a list of the winners:

Club First, Worcester Frogmen, Inc., 1317; Ind. First, Frank DeBald, So. Jersey Skin Divers, 655; and, in order, Leonard Brogowski, Paul Davine, Jr., Leonard Saarimis, William Jacobs, Richard Myers, William Bowser, R. Reynolds, Kenneth Ledoux, Ray Unwin, William Fuelterer, Richard Viator, Ron Heath, John Sabal, Paul Amodeo, William Grant, Herb Rakebrand, Bradford Luther, Jr. and Robert Lanagan.

The Dutchess Divers proved that even a huge skin diving event can be well organized and run. Divers from all over remarked that they'd like to have more meets of this kind.

MIAMI SKIN DIVERS TOP FLORIDA TOURNEY

Story and Photos

By BUD COX

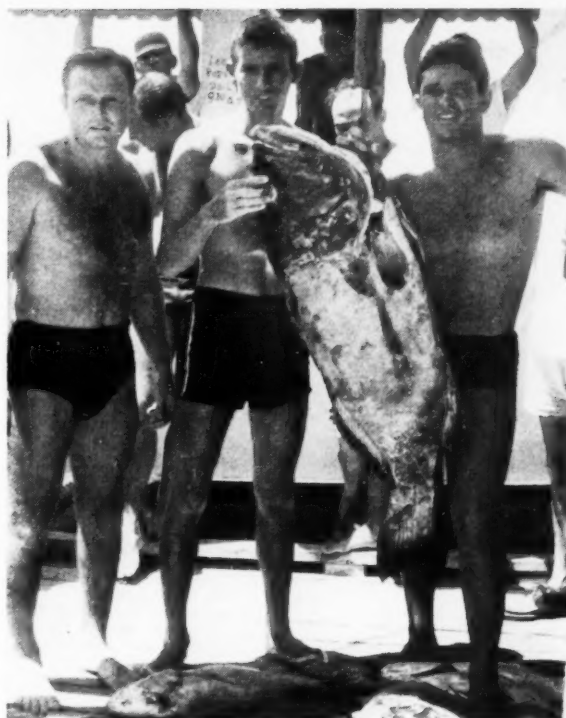
Conch Key, Fla., June 22—The Miami Skin Divers first string team displayed excellent teamwork in copping the Florida State AAU spearfishing tournament for the second year in a row. The Mola Mola International Skin Divers came in second in this contest which was conducted by the Southeast Florida Council of Skin Diving Clubs and the show position was taken by the big guns of the Palm Beach Fin Divers.

The Miami Skin Divers' Paul Dammann, Don Del Monico and Eugene Shinn accumulated 25 points to top the field of 12 teams and they dominated the grouper class with 56, 54½ and 49 pound catches. Mola Molas Jack Slack, Dick Reeves and Al Riddle scored second by topping the snapper class, splitting a first place in the hog fish class and taking fourth place points in the grouper class with a 48½ pound fish. The Palm Beach Fin Divers, who entered two teams in the competition, finished third by very effective use of their reef rifles against the king size cudas under Tennessee Light. The scoring system that was used allowed five points for the largest fish in each class, four points for the next, etc., to the fifth largest fish which was worth one point. In the grouper class a 47½ pound fish was worth only one point.

The champions started this four-hour tourney with a mile and a half dash over bumpy water from the starting point to Tennessee Light to stock up on cudas before going to deep water for the big groupers, but their plans were frustrated by the use of untried

Late Flash — Miami Skin Divers team won the Regional Championship meet and will represent the Southeastern Region in the Bahamas.

Miami Skin Divers Paul Dammann, Gene Shinn and Don Del Monico weigh in the 56-lb. grouper that helped them win the championships. They gathered a total of 25 points. The event was sponsored by the Southeast Florida Council of Skin Divers.



lines on their Hawaiian sling spears. Dammann was the first man in the water at the light and within three minutes he brought up an 18½ pound barracuda and Shinn shot a small 8½ pound cuda with a free spear. Palm Beach Fin Divers moved in with their long reef rifles and took possession of the cudas. At this point the Skin Divers moved to deep water for groupers where they shot a pair of small 36 pounders before Del Monico brought in the third place 49 pounder. Ten minutes later Dammann and Shinn found the 56 pounder in this 80 foot water and after several dives and much lung-straining succeeded in boating the big one. The Skin Divers, who do not use snorkels, worked the deeps for an hour and a half and then returned to shallow (30-50 feet) water in quest of snappers, hog fish, more cudas and

jacks. They found 8½ points worth of snappers and hog fish, but their return trip to Tennessee light did not produce any more cudas.

The third place Palm Beach Fin Divers spotted a 225 foot Cuban freighter that went down in 50 feet of water several months ago and they spent over an hour in the glassy water salvaging the compass, telephone and radio, but the radio and other parts had to be jettisoned in order to keep their boat from joining the freighter on the bottom.

All fish were donated to the Miami Herald's Lend-A-Hand camp for underprivileged children at Naranja, Florida and Mercy Hospital at Miami. Tournament facilities and ice for the fish were donated by Popeye Fishin' Camp and the N Z Fiberglass Company of Miami furnished a Caribbean Corsair runabout to be used by the Southeast Florida Council as the official boat.

Buzz Campbell of the Grand Bahama Club, where the National A.A.U. Underwater Spearfishing Championship is being conducted this year, was on hand as a member of the Palm Beach Fin Divers and he assisted the officials in the contest.

Teams entered in the Florida State A.A.U. Spearfishing Tournament were the Miami Reef Divers, Mola Mola International Skin Divers, Miami Skin Divers, Palm Beach Fin Divers, Glug-Glugs, Miami Makos, University of Miami Sea Devils, Tide Men and the Tritons.



Al Riddle, Dick Reeves and Jack Slack of the Mola Mola International Skin Divers receive the second place trophy from Pappy Flood. Snapper, Hog Fish and Grouper was the catch.



Third Place Palm Beach Fin Divers Bill Cook, Bob Palmer and Bert Picklesimer display some of the artifacts they rescued from the Cuban freighter. Mrs. Bob Wright holds the trophy.



NEWS CURRENT

NEWS FROM AROUND THE GLOBE
COMPILED AND EDITED IN
SKIN DIVER OFFICES.

Local diving news from readers welcomed.

CORPUS CHRISTI, TEXAS—Kenneth Claybourne accidentally shot and killed one of his best friends while spearfishing in murky water around an oil rig off **Port Aransas**. The victim was **Joseph Bludworth Jr.** The men were diving together and became separated. Claybourne later saw an object about five feet away and fired his spear gun. He began reeling in his line and then discovered he had shot **Bludworth** behind the eye.

PENRHYN ISLAND, COOK ISLANDS—The crew of a **New Zealand** warship are wide-eyed at the feats of a native skin diver in the **Cook Islands**. A pearl diver, clad in diving helmet and supplied with compressed air, was working at 130 feet in **Penrhyn Lagoon**. He felt a tap on his shoulder and turned and saw the grinning face of a skin diver, wearing no breathing apparatus. The diver was so astounded at seeing the skin diver that he handed him all the valuable pearl shell he had collected. Crew members timed the skin diver at 4 1/4 minutes under water. The next day the helmeted diver once again felt a tap on his shoulder and when he turned with a smile of welcome was smiling into the face of a shark.

LOS ANGELES, CALIFORNIA—The **Los Angeles County Museum** announced that it is preparing the 500 pound piece of jade it recently received from **Al Tillman** for display. **Tillman** found the jade in 45 feet of water near **San Simeon, Calif.**

JADE COVE, SAN SIMEON, CALIFORNIA—More jade found at this cove. One report tells of an abalone processor who has come up with 20,000 pounds of jade rock in the last month. The rocks, some weighing as much as 1800 pounds, were lifted with a hoist from the bed of the cove. **Harold Elmore** said he heard about the jade from a skin diver and put two boats and six men to work. He added he doubts if there is much jade left as "we combed the bottom." A group of commercial fishermen brought up 5000 pounds of jade with one chunk weighing 3000 pounds. Skipper of the fishing schooner **G. R. Armann** and his crew are skin divers.

ST. NAZAIRE, FRANCE—Divers at the fishing port of **La Turballe** have raised a wreck believed to be a **French** frigate sunk by the **British** fleet in a naval battle in 1759. Raised with the wreck was an ancient anchor weighing more than two tons.

FLINT, MICHIGAN—Skin diving equipment valued at \$518 was stolen from **Dockery's Skin Diving Equipment**. Items taken included masks, spear guns, fins, tanks and knives.

CAPE CANAVERAL, FLORIDA—Skin divers aid missile scientists here by retrieving pieces of missiles from the ocean for study.

VERA CRUZ, Mexico—Divers are searching the bottom of **Villa Rica** bay for traces of the 11 ships that **Conquistador Hernan Cortes** burned behind him 439 years ago. Members of the **Frogman Club** of Mexico hope to find some of the glass, pottery and metal items carried on the ancient vessels.

KLAMATH FALLS, OREGON—The quick action of a 58 year old man and the miraculous presence of a skin diver averted what would have been a certain tragedy when a car carrying three children and their parents plunged into a canal. **Fred Bubb**, 58, was driving along and saw the vehicle plunge in the waters. He dived in immediately, swam to the floating car and opened the door. He began helping the mother and her two teenage daughters to the bank. The calls for help were heard by diver **Benny Starr** who lived nearby. He rushed to the bank and saw the accident and noticed a small pair of hands break through the water. He dived and returned to the bank with the unconscious body of a two and a half year old boy. While applying artificial respiration to the child, **Jack Pollech** assisted the father of the family to shore. All five were saved.

WELLFLEET, MASS—A 17-year-old skin diver, **William Oliver Jr.** was fatally injured when a passing motor boat struck him as he surfaced from a snorkel dive. The boat, operated by teenagers, was towing a water skier.

ST. JOSEPH, MISSOURI—A member of the **Kansas City Frogman Club** will undertake to replace an outlet pipe in about 24 feet of water in the **Little Ozarks Lake**. The old pipe developed a leak and the runoff is undercutting the dam which is holding back about 30 feet of water.

NEW DELHI—Indian Customs men are using frogmen to beat smugglers in a treasure hunt in the **Arabian Sea** off the 200 mile coast of **Saurashtra**. Gold and diamonds worth £ 140,000 have already been found on the sea bed near **Porbandar**. This haul included 197 gold bars, 2399 gold sovereigns and hundreds of uncut diamonds.

TALLAHASSEE, FLORIDA—The first clear day when their classroom isn't muddy 23 students of the **Oceanographic Institute at Florida State University** will dive in for their final exams. If they pass they will be qualified to go octopus hunting on the bottom of the **Gulf of Mexico**. The zoology professor hopes the diving grads will be able to help him in an octopus research project he is conducting for the **National Science Foundation**. The professor needs 50 octopi for study.

NEWTON, CONNECTICUT—At the request of the town selectmen, three members of the **Norwescon Scuba Divers Club** checked the **Lake Lillinnah** lake front at the **Pratt** property and the town park to determine which would be better for bathing facilities. The divers reported the town park lake front would be easier to fill and would make the better bathing beach.

LOCH NESS, SCOTLAND—Frogmen with underwater television cameras searched the depths of **Loch Ness** for the fabled monster, but nothing appeared on the screen for the millions following the hunt on their television. Comment on the search runs the gamut from "they'll be eaten alive" to "the British are taking an awful chance of wrecking a splendid legend" by proving there is no monster.

BAYONNE, NEW JERSEY—The **Bayonne Barnacles** cleared a swimming area at **Camp Marcella** at the request of the **New Jersey State Commission for the Blind**. The summer camp for the blind children opened with complete swimming facilities.

TORONTO, CANADA—As eight cruisers continued dragging operations and two **RCMP** aircraft skimmed over a placid **Lake Simcoe**, a frogman strapped to an underwater sled searched for the bodies of four **RCMP** constables lost in a night storm.

POINT DUME, CALIFORNIA—Two divers plunged 70 feet from a cliff at **Point Dume** when a rope on which they were swinging broke loose from a guy wire. The falls could have been fatal had the men struck huge rocks at the base of the cliff instead of landing on the sand.

PENDLETON, OREGON—**Dale Moore**, **Milton-Freewater** diver, recovered the body of a four year old boy who fell into **Kennewick** irrigation seepage pond. The diver was called when the body was not found.

LONG BEACH, CALIFORNIA—One hundred and seventy-five divers converged on the **Federal Breakwater in Long Beach Harbor** and cleaned up 10,700 pounds of destructive starfish. Trophy for pulling in the largest starfish went to **Howard Patton**. The prize winner measured 24 inches across.

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POSSUM KINGDOM LAKE, TEXAS—One hundred and eleven divers from four states participated in the first annual **Texas Spearfishing Contest** sponsored by the **Inland Divers Association of Fort Worth**. The divers catch of rough fish at the contest weighed 520 pounds.

FALL RIVER, MASSACHUSETTS—Skin divers explored the scene of a sunken barge south of **Slades Ferry Bridge** in **Taunton River**. Salvage measures that might be undertaken and demolition of the wreck to clear the channel were discussed. Divers interested in joining the organization are asked to contact **YMCA Director Everett Stark**.

HOUGHTON, MICHIGAN—A diver from the **Iron Mountain** post of the state police, **Charles Feldhauser**, located the body of a man drowned in a fishing accident in **Portage Lake**. **Feldhauser** was working with a **Michigan Tech** diving club instructor **Covert Franzen**.

LEVITTOWN, PENNSYLVANIA—The **Levittown-Fairless Hills Rescue Squad** skin diving unit will commence its training for the season. The training will prepare the group for participation in marine rescue work and recovery of lost items.

DURBAN, SOUTH AFRICA—The **Durban Underwater Club** is organizing training for newcomers as they enroll as "water babies." Several experienced divers in the club have offered their services so that no beginner need make a first dive unaccompanied.

MAHOPAC, NEW YORK—**Carmel Town Board** conducted a public hearing on an ordinance to regulate skin diving in lakes in the township. Under the proposed ordinance skin diving in **Lake Mahopac** would be prohibited in areas where aquaplaning and water skiing are now prohibited.

ONTARIO, CANADA—Part of an old cannon, believed to have been on a ship sunk over 125 years ago, has been found by a group of divers. The barrel and part of the stock were discovered on a ship, the **Prince Regent**.

MARITZBURG, SOUTH AFRICA—Skin divers here will soon have to comply with strict laws governing where and how they should fish according to a draft ordinance to be considered at the forthcoming council session. Proposals include obtaining licenses for spear guns, loaded guns only in water and restricted areas for guns.

SYDNEY, AUSTRALIA—**Dick Charles**, president of the **Skin Divers and Underwater Fisherman's Association**, says spearfishermen will fight any ban on themselves in **N.S.W.** tidal waters. **Charles** was commenting on a government proclamation on May 5 prohibiting the taking of fish and crayfish by spears or spearguns in inland and tidal waters of **N.S.W.** for five years. **Charles** said a ban already existed on spearfishing in rivers west of the **Great Divide**.

PROVO, UTAH—Members of the **Central Utah Skin Diving Association** have been investigating reservoirs, lakes and rivers in a search for the bell pilfered from the **BYU** Fieldhouse.

ELDRED, PENNSYLVANIA—Skin divers and a deep sea diver joined in the search for 17-year-old **Kenneth Morris** who was lost overboard from a fishing boat near **Larabee bridge**. After a 17-day extensive search the body was discovered by the deputy game protector.

RACINE, WISCONSIN—Diver **Charles Richardson** aids **Racine** in exploring connection in city's lakefront filtration plant. **Richardson's** job will be to unbolt the cover in the main plant opening the way for filtered water from the new filtering beds eventually to enter the well.

PORT ELIZABETH, SOUTH AFRICA—**T. Dicks** and **L. Bishop** fought off a 12 foot man eating shark that attacked them underwater in **Plettenberg Bay** about 300 feet from shore. The attacker, a 300 to 350 pound ragged-tooth shark, veered off when **Bishop** prepared to fire his spear gun.

SEATTLE, WASHINGTON—**Bob Fulton**, **Ken Way**, **Don Davidson** and **Sam Setters** located a two ton anchor apparently of sailing day vintage in 65 feet of water about a thousand yards offshore near **Duwamish Head**. The anchor was brought closer to shore and a crane was used to lift it out of the water. The anchor has been donated to the **Park Department**.

NEW YORK, NEW YORK—Two youths who wanted to complete their skin diving outfits are to appear in court charged with attempted burglary of the **Triangle Sporting Goods Store**. The youths said they had bought flippers and masks earlier in the week and had gone back after hours for lungs.

WATERBURY, CONNECTICUT—The services of diver **Donald Bragg** were required to save **Princeton Knitting Mills** from a possible water shortage when a log jammed the outlet of its water supply basin dam. **Bragg** managed to free the three foot, fifteen inch log so it could go through the three foot drain at the base of the dam. Efforts with a cable and grappling hooks earlier failed.

MEDFORD, OREGON—The body of **De-Wayne L. Miller**, head of the **Surface Water Division** of the **U.S. Geological Survey** in **Medford** was found in the shallow waters of **Applegate River**. Volunteers searching for the body included skin divers. **Miller** was believed drowned when he went into the river to measure the water speed.

LOWELL, MASSACHUSETTS—A proposal to train **Lowell** police and firemen in skin diving for rescue and other emergency purposes has been ruled out as unfeasible. But the city of **Lowell** has been promised plenty of help by the **Lowell Skin Divers Association**.

ONTARIO, CANADA—The **Ontario Underwater Council**, representing 600 skin divers in the province, will make its first attempt to have underwater spearfishing legalized in **Ontario** at a meeting in **Toronto** with a representative of the **Department of Lands and Forests**.

DURBAN, SOUTH AFRICA—Armed with knives and spear guns, four **Durban** men will dive into the sea off the **Natal coast** in an effort to find the wreck of the **Waratah** and thus solve the greatest sea mystery since the disappearance of the **Marie Celeste**. Their biggest danger will be attacks from sharks. The **Waratah** disappeared off the **Natal coast** 49 years ago with the loss of 211 passengers. As far as it is known there was no treasure aboard.

MICHIGAN—**Fred and Phyllis Duffy** and **Ken Sulkowski** are uncovering historic relics of early southwestern **Ontario** history in their search of the **Sydenham**, **Snye** and **St. Clair** rivers. The trio, all members of the **Utica Scuba Divers**, have found remains of an old ship, long forgotten dock, an old steamer and a more modern day relic—a **U.S.** weather balloon.

SYRACUSE, NEW YORK—Skin diver **John Evans** was given oxygen after he became unconscious upon coming out of **Onondaga Creek** at the rear of the **Allen Tool Corp.** plant. The diver was searching for the body of a four year old boy who fell into the creek. **Councilman Laskowski** will ask for a court order restraining the **New Process Gear Co.** from dumping oil into the **Creek**. **Laskowski** acted on request of the **Syracuse Skin Diving Club** which volunteered its services in the search of the young boy. Divers said they were on verge of abandoning their search because the oil slick is endangering their lives and ruining their equipment.

PERTH, WEST AUSTRALIA—An underwater survey from **Papua** to **Wyndham** and a magnetic aerial sweep of **Joseph Bonaparte Gulf** will be two new **Commonwealth** contributions to the search for oil in the north. Both surveys will be carried out by the **Bureau of Mineral Resources**. The underwater search will be the first use of the new underwater gravity meter and the full search will take seven months.

PASCO, WASHINGTON—A blind piano tuner finds that his handicap is an asset as a diver in helping **Monroe Berry** repair damaged boathouse anchor lines along the **A-City** water front. **Berry** says that his diving partner, **George Caruthers**, has a better sense of distance and direction and a more highly developed sense of touch.

SAN LEANDRO, CALIFORNIA—Underwater graduation ceremonies were held for 32 skin divers at **San Leandro High School pool**. The rites, held in conjunction with the **Safety Fair**, marked the conclusion of a course launched in February, **Operation SOS (Safe Ocean Skin Diving)**.

SPAIN—Skin diving has become so popular along **Spain's Costa Brava** that at least one advertiser has decided to cash in on the underwater traffic with a sign 30 feet under.

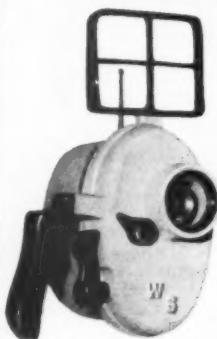
DENVER, COLORADO—Seven skin divers assisted in the search for a 22 month old child believed drowned in **Bear Creek**. The divers searched gravel pit back waters in the belief the boy's body might have been washed into the deeper water from the swollen **Bear Creek**.

PHILADELPHIA, PENNSYLVANIA—Skin divers develop an increase in total lung capacity and a higher tolerance to changes in concentration of carbon dioxide and oxygen—much as do diving animals—it was reported at the 42nd annual meeting of the **Federation of American Societies for Experimental Biology** in Philadelphia. Reports of tests made before and after dives in the **Escape Training Tank** in **New London, Conn.**, showed that during a dive to 90 feet, the increased external pressure forces 80 percent of the carbon dioxide in the lungs back into the blood, from which in turn it is taken up by the tissues with a resulting decrease in respiratory stimulation.

DENVILLE, NEW JERSEY—The **Civil Defense** unit in **Denville** is planning to incorporate a skin diving unit in their organization. The decision to form a group was made because of the large number of lakes and part of a large river flowing through the area.

POMPTON LAKES, NEW JERSEY—Skin divers recover articles thrown into the **Ramapo River** by boys who ransacked a **Clifton** family's summer bungalow. The divers, **Edward Weckback** and **Eugene Caseleggio**, recovered eight metal lawn chairs, a table and large beach umbrella.

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AIR MITE—New Northill underwater breathing unit is shown attached to air tank valve. Named the "Air Mite," this outstanding development for scuba divers is produced by The Garrett Corporation's Air Cruisers Division, Belmar, New Jersey. Button on the face of the breathing unit allows simplified manual ejection of water. Other assets of the Northill Air Mite include corrosion resistant parts and a brilliant yellow color that makes it easily visible under water.

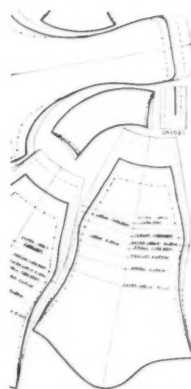
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BEL-AQUA TOREADOR WET SUIT—Something really new has been added to the Bel-Aqua line and is new to the diving industry as a matter of fact. In essence you can buy a Bel-Aqua kit with the cut-out lines clearly marked to your size no matter what the body dimension. Four pattern sizes are printed on the rubber, with alteration instructions for a perfect fit. Kit is complete with pants, shirt, hood and boots. One kit fits all sizes. Write to: Bel-Aqua Water Sports Co., 3720 W. 54th St., Dept. 127, Los Angeles 43, California, for additional information.

RHODE ISLAND COUNCIL REPORTS

By John J. McAniff
184 Bellevue Ave.
Newport, R. I.

At the most recent meeting of the Rhode Island Council of Diving Clubs the first step toward the incorporation of the Council was taken and all the necessary details should be ready for discussion at the next regular meeting. Final plans were completed for the R. I. State Team Championships and the location set for Narragansett and the well known 'Bass Rock'.

It is expected that the Rhode Island Individual Spearfishing Championships will be held at Newport on August 17th and appointed as Director of both meets was John McAniff of the Newport Club. Assistant Directors for both events are Joe Mulholland of Narragansett and Bill Pickles of the R. I. Spearfishermen. The Individual Championships in August will be open to all divers who are either residents of the State or members of Council of Diving Clubs.

Reported in the Providence, R. I. papers was the story of a member of The R. I. Underwater Spearfishing club, Al Paolantonio, who assisted the Johnston, R. I. Police Department by successfully locating a stolen auto in a nearby Quarry and supervised the salvage of same. For a good job well done, congratulations Al.

From the Newport Underwater Sportsmen comes the report that the city fathers were saved considerable expense by a group of divers from that club when they thoroughly examined and reported on the bothersome shoal in Newport's inner Harbor which presently interferes with a proposed new yacht Marina.

The recently adopted Divers Flag received a tremendous boost by the R. I. Council early in June when the local television station photographed and broadcasted a short on the use and identification of the flag with the aid of about a half dozen of the Council's divers as stars (though they were admittedly hard to identify.) In another step to further publicize the Divers Flag the Council had 300 posters, similar to the one illustrated in Skin Diver in June, printed and distributed through each of the clubs in the State.

Also submitted at the last R. I. Council meeting was a very sound proposal which will make available to all Council members a very practical health and accident policy at a very small cost. Final action on this measure was postponed till the following meeting to de-

termine the amount of participation that could be expected.

Just about the time this is published there will also be an article in Sports Illustrated covering The Famous America's Cup Yacht Races to be held off Newport this season for the first time since 1937. The same article will also advise visitors to R. I. for this event of all the various good diving spots around Newport, and a full description of what to expect in this area by way of fish, surf conditions, weather conditions, accommodations, etc. Additionally it is well to point out that the R. I. Council stands ready to assist any diver coming into the state for a skin diving vacation. Our waters are among the finest on the eastern seaboard and all of us are anxious to help anyone interested. Visitors to our fair state are invited to write

ahead to the above address or to the R. I. Council at 118 Sharon Street, Cranston, R. I. Prompt replies will be made to all inquiries.

Diving throughout the state is now in full swing. One club is planning to do some underwater movies of a recent wreck. Another plans a late season trip to the sunken submarine off Point Judith. Still another group is looking forward to a long weekend at Block Island off the coast.

In conclusion, please keep the news coming to your correspondent at the above address and bear in mind the 40 days before date of publication deadline which must be allowed to get data into each issue. Til next month, good diving, and N.U.S.; Never Underestimate Safety.

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DIVE SHOP CHATTER



By
Chuck
Fremdling

That Redwood Place, 1051 Hwy. 101, Encinitas, Calif., owned and operated by W. E. (Spex) Myers is a very recent addition to our fast growing sport. The name of his store may seem a bit different, but as you drive toward San Diego you certainly can't miss it. The store is painted red. Spex is a real good business man, so he has equipped his



Chuck Fremdling

store with everything the sportsman wants, skin diving, water skis, paddle boards, surfboards, fishing supplies, boats, trailers and motors. What more? He always keeps a pot of coffee on, stop by and get acquainted.

Skin and Scuba, 22774 Pacific Coast Hwy., Malibu Beach, Calif., with its owners and operators Tom Flaherty and wife, Jan, are both very ardent underwater divers. We all have been looking forward to having a dive shop in this area and I can assure you that they have one of the best. Not only do they have skin diving, but are well equipped with water skis, paddle and surf boards, boats and motors and even cruisers. When you are cruising around this Malibu area, stop in and say hello.

Francis Brothers Sporting Goods, 1811 S. Hill St., Oceanside, Calif., is just on your way to San Diego. They now have one of the finest compressors to meet your air supply demands, and it is a beauty. Dick Francis will help you with any problems even if it takes his dinner time. He is now dealing a lot with the U.S. armed forces.

I'm going to go a little bit out of my column interests with dealers and talk about my new partner. I now have a new associate whom you all will directly meet. His name is Del Bailey, a good diver and one of the nicest guys you would want to know. I won't say too much now, but look forward to a little write up in the September issue and an important announcement will be made at that time, too. Happy diving!

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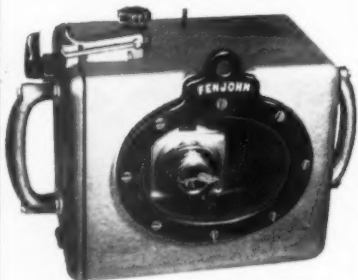
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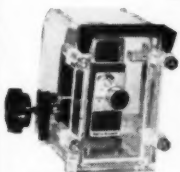


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NORTHEAST NOTES

By B. W. LUTHER, JR.

Northeast Council of Skin Diving Clubs,
P.O. Box 225, Fairhaven, Mass.

The second tournament meet sponsored by the Northeast Council of Skin Diving Clubs, Inc., and put on by the Fairhaven Whalers Skin Diving Club, was held June 8th, at Fort Phoenix, Fairhaven. Fifty-six divers participated, representing nine member clubs.



Brad Luther

The divers were asked to recover various types of metal which had been "seeded" in the form of discs and washers plus various types of shells and marine life. An unusual type of contest, but handled very well. Tournament Committee of the Whalers, consisting of Robert Lanagan, chairman, Alton Pacheco, Ronald Champaux, Robert Viator and Alton Morse, report a very successful meet despite the gale winds which kicked up a choppy sea. Participants in the event added to their council point system.

Winners of the SCUBA event — 1st — Paul Davini, Jr., Worcester Frogmen; 2nd — Raymond Forrest, Maine Marine Alpine Club; 3rd — Russ Bishop, South Shore Sea Serpents.

Winners of the SNORKEL event — 1st — Wayne Comeau, Bay State Aqua Club; 2nd — Jim Mallock, South Shore Neptunes; 3rd — Walter Kessler, Independent.

Handsome trophies were awarded the winners at the club room of the Whalers at the conclusion of the contest.

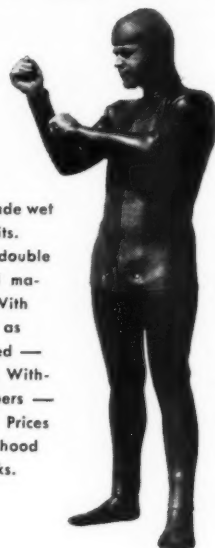
Jim Cahill, one of New England's well known divers, announces the grand opening of his new "Deep See Club" of Salem Willow. The group is providing off-shore cruises to the diving enthusiast as well as the diving student in two 45 ft. launches especially designed and equipped for the purpose.

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(Continued on next page)

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SKIN DIVER—August, 1958

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Four clubs from the Northeast area attended the Dutchess Divers meet May 18th, at Sylvan Lake, N. Y. The Worcester Frogmen took first club prize out of 33 clubs participating, the South Shore Neptunes placed fifth, and the Fairhaven Whalers placed seventh. The Leominster C. D. Divers also participated.

Of the 178 individual divers competing in the treasure hunt nine of the top 17 were from the Northeast Council. The officers of the Northeast Council have expressed their appreciation for the fine record turned in by their members.

The Dutchess Divers were highly commended for the splendidly arranged meet which they sponsored.

Clubs in this area have been busily working with the authorities in various communities in the search for drowned victims. Those participating in this gruesome but necessary task were the Maine Marine Alpine Club, Worcester Frogmen, New Hampshire Sea Skates, The Lowell Underwater Explorers and the Rhode Island Underwater Spearfishing Club.

Three new clubs have joined with the twenty other clubs comprising the roster of the Northeast Council. The South Shore Sea Serpents, Russ Bishop, President, have renewed their membership and the two newly formed clubs are the Middlesex Divers of the Malden Y.M.C.A., and the Sandsharks Diving Club of Beverly, Mass.

Members from the Boston Sea Rovers enjoyed a cook's tour of the New London Submarine Base, June 7th. Included in the visit was a trip through a submarine, a tour of the base, and a demonstration of the 100 foot Escape Tower. Instructors at the "Tank" make a regular practice of skin diving to the bottom 100 feet down. Walter Feinberg, President of the Boston Sea Rovers, reports that he timed one diver who, gliding easily to the bottom, remained in the clear water two minutes. Walter further said, "We watched like we were children in the presence of masters."

Perley N. Butler, a member of the Salty Dogs Diving Club of Haverhill, drowned while using Scuba in Folly Cove, Rockport. Dr. Egan, medical examiner for Gloucester, rules death due to drowning, and all attempts to have a more complete report made proved fruitless. It would seem to me that the state should provide a more complete report on these accidents to prevent bad publicity when not warranted and to provide vital information to future divers.

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SKIN DIVER—August, 1958

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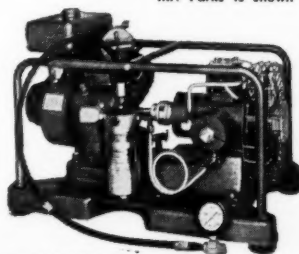
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SOUTHEAST FLORIDA COUNCIL OF SKIN DIVING CLUBS

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Miami, Florida

By Bud Cox

SAM SNORKEL STARS ON EDUCATIONAL TV

Professor Mike Kevorkian of the University of Miami science department recently featured Sam Snorkel on the TV program he beams to 5,500 Dade County school children. Educational channel 2, WITV, produces the 30 minute Junior Science program five days a week for classroom viewing by high school students as well as for home consumption.

Professor Kevorkian devoted a full week to skin diving and underwater activity with displays and explanations of diving equipment, interviews with prominent skin divers, a feature film from the Seaquarium and film strips of the Miami Makos record breaking dive of 28 hours 53 minutes. Jack Crevalle, ex-UDT man who made this dive in May of 1957, narrated the film strip and gave his impressions of this record event. Pappy Flood of the Southeast Florida Council of Skin Diving Clubs outlined educational program for teenagers, of which Sam Snorkel is an important part. Sam Snorkel is a cartoon character who appears on educational posters designed to teach skin diving ethics to teenagers and all skin divers. Another phase of the council's program is the establishment of skin diving clinics in this area. The Miami Reef Divers conduct a free training session open to the public every Thursday night at Benny Babcock pool; the Miami Makos have two training sessions every month and the council is planning other training programs.

SHOW YOUR COLORS

The council had a flag-making session at Bill Kelly's and produced enough Divers Flags to supply all of the member clubs. The boat-size flags were made exclusively for the clubs and an automobile aerial flag was produced for sale by the council at 45 cents per flag. This miniature Divers Flag is 3 1/2 x 4 inches and is suitable for use anywhere you wish to display your colors.



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SKIN DIVER—August, 1958

MICHIGAN SKIN DIVING COUNCIL

By **TOM NORMAN**


Publicity Director

The Michigan Skin Diving Council has held two general membership meetings so far this year and has succeeded in accomplishing the passing of two very important legislative bills, spearfishing and recognition of the Divers Flag.

At the February meeting of the Council new officers were elected and a vote of thanks was given to past officers for a job well done. The new officers are Truman Schrag, President; Betty Watts, Vice-President; Jean White, Secretary; Don Brackenbury, Treasurer; Fred Duffy and Carl Forslund, Directors with Dick Metzler, Past-President, Advising Director. Also at this meeting it was

decided that all future spearfishing contests of the Michigan Skin Diving Council would be sponsored by individual member clubs. The individual clubs will submit their bid, diving location, facilities, and other advantages of contest site. These bids will then be evaluated by the Council Board of Directors and the best bid will be chosen. All of the 26 member clubs of the Michigan Council are urged to submit their bids as soon as possible so that a fair choice can be made.

At the May meeting there was quite a lengthy discussion concerning A.A.U. Although nothing concrete was decided it is felt that much was learned by the member clubs about A.A.U. The Michigan Council is proud to announce that the Michigan State Police Diving Squad is now an Honorary Member of the Council and is entitled to take part in all Council activities. A spearfishing contest had been planned for the Les Cheneaux Islands but due to the present law it had to be postponed.

At the Detroit Sports and Travel Show one of the main attractions was the display set up by the Michigan Council and worked by several clubs throughout the State. At this writing plans are in the making for a statewide spearfishing contest which, the way it looks now, should be a huge success. 

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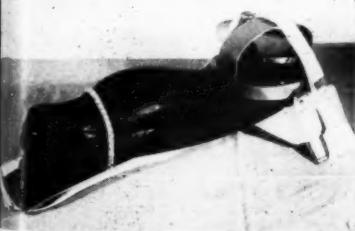


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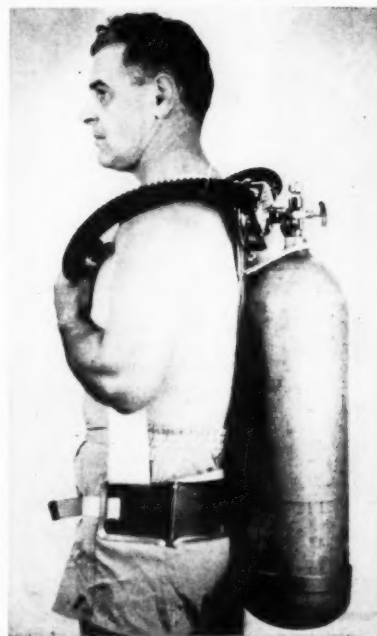
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CONGER EELS

By Richard A. Timmons

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The quarry's temperature varies from warm to very cold at bottom due to small springs. The depth varies from 5 to 45 feet with visibility up to 30 feet.

Our club's equipment consists of a panel truck, compressor and storage tanks, life rafts, self propelled surface boat and subs, U.W. lighting equipment, 18 foot boat and numerous other items.

We would like to extend an invitation to any of the area divers who have not had the pleasure of diving in this quarry to contact Conger Eels, c/o Timmons Bowling Lanes, Greenville, Ohio.

Philadelphia, Penna. . . .

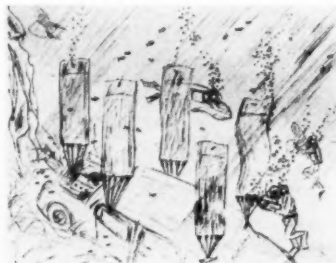
MARINE EXPLORATION SOCIETY

By Ed Emery

Club activities this season are in full swing with five scheduled trips completed before the end of June. All of these dives took place at the Paoli quarry, about 20 miles outside of Philadelphia. On our last dive, club members were successful in raising a sunken automobile to the surface from 25 feet. We consider this no great achievement, as such, but rather an effective practice exercise and worthwhile preparation for greater tasks. Raising of the auto was accomplished by securing and inflating ten collapsible salvage bags available from C & S Marine Salvage Co.

As inflation of the bags was nearly completed, the auto started a slow, controlled rise from the bottom. After towing the auto about 300 feet, we then lowered it to the bottom by opening the release valve on each bag. The salvage operation, as shown in the drawing, was sketched by Russ Swanson.

On one of our trips in July, we plan to dive to the wreckage of the tanker "Persephone," at about 60 feet. Bill Scheidell has found this wreck and will take us there on his boat, the "Penguin."

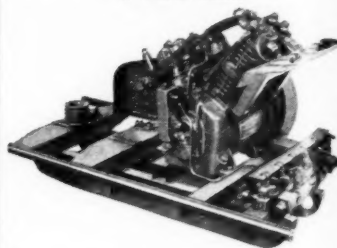


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Fernando Valley, Calif. . . . GULLS & BUOYS

By Marj Pangburn

We took advantage of Memorial day week-end by leaving Thursday night for San Simeon. Chet Jones was eagerly waiting for us after a good night's sleep on the beach. After camp was set up we went out for Abs. The water was quite rough but the catch was good. For supper Shirley Hughes cooked a large pot of chowder while husband, Herb, fried the remaining Abs. Walter Roche brought along his uke and entertained with music and song. We bedded down early so we would be ready for our "Jade Trip" the following day. Tom Barnes, one of our best swimmers, was up bright and early getting his wife's breakfast as usual.

A diver hasn't lived until he has visited Jade Beach. The underwater scenery is fabulous with its exquisite fluorescent blues, reds and greens in the broad leafed kelp. The colorful reefs drop off into winding ravines. The water is cold but crystal clear. Jade was the object of this trip until we saw the scores of fish.

Back at camp and famished, Herb prepared part of the catch while Bertha Litman cooked it. Other members who deserve honorable mention are Archie Willis for his Coleman stove lighting skill, and Bob Pangburn for his frying pan cleaning skill.

Torrance, Calif. . . . AQUA GHOSTS

By Gary Cooper

Since lobster season is closed we have been trying to adjust back to our dried and rusty spearguns and get some good eating fish, but so far the results have been light. Bob Gilmore and myself went out to Palos Verdes and speared twelve small ones. Skeeter Schiller is doing real well on cabezone.

One member of our club is the owner of a 30' diving boat, when he isn't diving with the club he takes out diving parties, you can contact him at DA 5-0054 ask for Bob Welsh. Our membership has been raised to 15, it was 10 so now we are open for 5 new members who want to dive with a real active club. Write to Aqua Ghosts, c/o Gary D. Cooper, Box 382, Torrance, Calif.



Dayton, Ohio . . . JUPITER SKIN DIVING CLUB

By Tim Koverman

This month we would like to tell divers around the country about skin diving in our area, southwest Ohio. We dive all year round. But diving without a suit of some sort is confined to late spring through early fall. The best places to dive are stone quarries. The lakes in our area are not very clear, most being of mud bottom. There are a few spring fed lakes near New Carlisle where diving is fair. Most divers will be found at Sportsmen's Lake, a very clear quarry at Cedarville, or France Park, a quarry in New Paris, Ohio. We spend our time on the bottom looking for old wrecks (cars and small boats), fishing tackle, and taking pictures. I have enclosed a picture taken at France Park. It will give you an idea of how clear the water in our area is. It was taken with an Aries III in a Plastic Bag, Plus X, 1/100, f 8 Bright day. Photo is of new member we call "Our Boy George."

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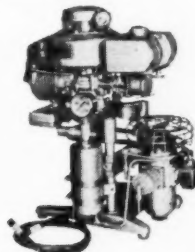
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West Warwick, R.I. . . .

WEST WARWICK SKIN DIVERS CLUB

By J. P. Muschiano, Jr.

The club was organized in March by ten men, George Van-Couyghen, James Clark, Joseph P. Muschiano, Jr., Everett Sanderson, Lester Roach, Robert Vallee, Clifford Brown, Edward Gaus, Umberto Befumo, and Richard Vallee. The club now has 28 members.

Recently a fisherman drowned after his skiff capsized. His three companions were rescued. William Reiner, a Quonset sailer and member of our club, recovered the body. Everett Sanderson and David Combs, also of the WWSDC, were assisting in the search. The trio and Joseph Muschiano were interviewed over radio station W.W.R.I.

Compton, California . . .

SEA ANGELS

By John C. Mills

The Sea Angels, Ebbtiders and a few Cormorants went on a weekend dive to San Clemente Island, on the "Emerald" out of San Pedro, Calif. A very good time was had by all, and there were quite a few large catches taken. The species that were most predominate were Calico Bass, Bull Bass and Sheephead. The jackpot for the weekend was taken by Ronnie Carmona with a 12 lb. sheephead. The Ebbtiders seemed to enjoy the chow the most as I got a lot of compliments for the chow I made for the whole crew, as I was chief cook and bottle washer on board. One of the Cormorants shook up our club president by shooting a 22 lb. halibut right under his nose, and this guy wasn't in the jackpot.

The following weekend the fellows took their families to Estero Beach, Baja California. The only members of the group that got a charge out of it were the kids. Kenneth Hawley was lucky enough to shoot a 3 1/2 lb. Corbina, the third fish of the trip.

We have been gratified by the response from our call for novice, and experienced skin divers interested in joining with a year-around active club to contact Frank Cruze at 8061 Canterbury Way, Buena Park, Calif., phone LAwrence 2-6059, or John C. Mills at 527 W. Magnolia St., Compton, Calif., NEwmark 5-8973.

Lubbock, Texas . . .

WEST TEXAS SEAHORSES

By Don Weeks

Through the efforts of the Inland Divers Association, Inc. of Fort Worth, Texas (see story May 1958) spearfishing has taken new face in Texas. Water visibility is sometimes good and sometimes poor. Temperature of course varies with depth but usually is warm on top.

May 30th and June 1st found the West Texas Seahorses with the New Mexico Desert Divers of Roswell, N.M. at Balmorhea State Park near Pecos, Texas. Many diving "trade secrets" and "lies" were exchanged to arouse the mutual interest. Club operations and functions were compared and kicked about. The water there is always very clear and 74° the year around.

The weekend of June 7th and 8th took the W.T.S. to Possum Kingdom Lake near Mineral Wells, Texas. This was the location for the first spearfishing contest in the state. Many clubs were represented to spur the new Southwest Council of Divers to a Texas sized start. Much was learned and done by all who took speargun in hand and tried their best. The contest was a great success for many.

The West Texas Seahorses would deeply appreciate any type of correspondence from any "fellow bubble heads." Suggestions on club morale or activities will be exchanged with "Great Expectations."

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Brooklyn, New York . . .

REEF WRECKERS

By Raymond Butterworth

The Reef Wreckers wish to welcome to our ranks new members Joel Terrace, Alan Granoff, and Edward Zinn. Attention California clubs. Len Schein of last year's diving team is currently out your way. Better hide the fish.

We of the Reef Wreckers have found a dealer who knows his stuff. You local divers phone Land & Sea at Ulster 9-2429 and say the Reef Wreckers sent you. What happened to Joan Fischer (brother is U.S. chess champ) who showed up to Reef Wreckers meeting on way to Chile and never returned? The Reef Wrecker Diving Team this year will consist of Mike Bard; Harvey Breslauer; Stu Lerner; and Alternate, Edward Zinn. The Reef Wreckers would like to ask all New York clubs to join The Empire State Underwater Council and help stop the city from CLOSING THE BEACHES TO DIVERS.

Pawtucket, R.I. . . .

RHODE ISLAND UNDERWATER SPEARFISHING CLUB

By Albert W. Pipes

Temp. 50°. Fishing good. Fishing is getting much better. The water is still quite cool and summer seems to be a long while coming. We met July 13 at Bass Rock for the R.I. Championship, scheduled by the R.I. Council. Our team this year is Danny Prescott, Al Timperly and myself. Danny is Captain, and a veteran of many competitions. Gil Simmons is our alternate.

On June 25th Danny Prescott will start a series of lectures on Scuba Diving, with a talk about the physics of diving with compressed air, oxygen, etc. Al Spater got quite a thrill with his first Striper (15 3/4 lbs.) on June 20th. As things look now we will have an outing for divers and their families following the July vacations. These outings are a good means of getting in a little diving and still keep peace with the family.

Phoenix, Arizona . . .

ARIZONA CACTUS DIVERS

By Dick Duncan

New members include Joe Andrews, Lyn Henderson, Stan Oscarson, and Larry Stalter. The Arizona Cactus Divers have made several trips to the various lakes in Arizona and Rocky Point on the Gulf of California.

Canyon Lake has very good visibility, thirty feet, but it is closed to all fishing. Apache Lake has very good spearfishing, all types of rough fish are legally speared.

Our club is currently engaged in underwater rescue for Civil Defense and has participated in many drills.

Anyone in Arizona who is interested in learning to Scuba Dive may obtain free lessons by contacting Bill Van Zandt, 17 West Edgemont, or Dick Duncan, 819 West McKinley, of Phoenix, Arizona.

Rockford, Illinois . . .

GREATER ROCKFORD LUNG DIVERS, INC.

By Jack Egler

Eleven members were at Devils Lake, Wisconsin for a club dive on Memorial Day. Only those with protective suits were in the water for any length of time. Ed Thorne, Bill Collins, Jack Egler and Tom Bulin, took some underwater movies as we found the visibility was about 25 feet.

Others who were at Devils Lake were Bob Vandewalker, Al Bailey, and Leo Ruefer. The Club has its own decals and emblems which have turned out beautiful. A Treasure Hunt Dive was held on June 22nd in the club's quarry and about a hundred people were there. Rain forced the event to cease about four-thirty.

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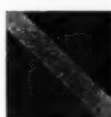
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To date we have had three club sponsored trips—two to wrecks in the Gulf of Mexico and one to Morrison Springs, Florida for some fresh water diving. On our second trip to the wrecks we came back with a catch of red snapper. The smallest snapper was a 17 pounder, while the largest was a 25 pounder taken by Pat McKean. Ralston Reynolds added to the take with a 30 pound ling.

The Morrison Springs trip was a combination picnic and dive, with wives and dates included. The water was extremely clear making it excellent for the novice diver. The cave located at the bottom continues for some distance, which makes it interesting for the older divers. Many have recorded depths of one hundred thirty feet and the interior of the cave is something to see.

Last year was our first club effort in tournaments, and a very successful one. Our team of Davis, Humble and McKean were runners-up in the Southeastern Association A.A.U. The next was the Southeastern Open, in which our team of Reynolds, McKean and Van Devender came in third. Reynolds also took the prize for the largest fish taken in the Georgia Open. We now have a total of ten trophies on display.

We wish to extend a Southern invitation to all divers to visit us. Meetings are held every Monday at the Driftwood Club on Mobile Bay. Contacts may be made through Tommy Davis, HEMlock 2-8983.

Dallas, Texas . . .

DALLAS DIVERS INC.

By Willis Logan

Texas had its first spearfishing contest on the 8th of June at Possum Kingdom Lake. It was great. The host group was the Inland Divers of Ft. Worth. Our own club fared pretty well. Bill Flagg came up with the big one of the day, a 10 lb. 7 oz. Buffalo. Got a nice trophy and underwater compass and knife. The Dallas Divers team of Howard Goad, Bill Flagg, and yours truly placed third in total pounds. Our club placed third out of a field of sixteen. Over five hundred and twenty-four pounds of rough fish was taken in the six hour period by all divers. The Fish & Game Commission was right there and well pleased. Most fun was in meeting with old chums from as far away as Kansas City, who turned out the best of their field and walked off with the Sportsmanship award. They deserved it. Wanda Logan won third in the Beauty division for a nice pair of flippers.

Other activities include a dive at Longview, Texas. Water was not too good so no good results came of it. Can't say Bill Davis didn't try.

Club exhibits recently have been in the Dallas Boat show, Dallas Sports show, and the premiere of "Underwater Warriors" at the Inwood theater. Bob Burns made the Sports show a success and John Carpenter the premiere.

Our club was honored by a talk by David C. Parks on his diving adventures in the Near East. He showed many good color slides. This guy is quite a fellow, even though he wound up getting married while he was here. Lots of luck Dave on this new adventure.

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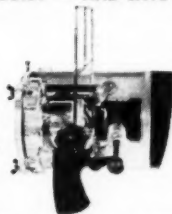
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Santa Monica, Calif. . . .

NEPTUNE'S RAIDERS

By Marge Brown

Homer and Marge Brown will have to buy a set of wee fins for their new daughter born June 25. This is their fourth daughter. Homer is asking now, "don't they make boy skin divers anymore?"

We had our first annual fish fry commemorating the founding of the club. The Raiders invaded Cabrillo Beach twenty-two strong including Art Sexton who took honors as chef. Other new faces in the club were Mr. and Mrs. Bob Lynch and Mr. and Mrs. Don Beasley. We might add, however, the fishing was great. We bagged thirty-one fish, mostly buttermouth and a few bass ranging from two to eight pounds.

Prize catch earlier in the month went to Homer Brown with his 37½ lb. white sea bass.

Jim Hackert, who is in the Coast Guard, will be shipping out soon for the Hawaiian Islands. We will all miss him around the club house.

Scotland . . .

UNDERSEA RESEARCH GROUP AND DUNDEE SUB-AQUA CLUB

By Walt C. Deas

Divers of both clubs had a pleasant weekend at Loch Ness. Diving conditions were not ideal because of cold water (49°) and visibility was poor. The Edinburgh Sub-Aqua Club also took part in the venture. We hope to have a full report soon in "Skin Diver."

Alan Doyle, Geoff Wilson and Walt Deas have been carrying out some demolition work for the East Coast Salmon Fisheries. This work meant working in filthy, fast flowing water. More dangerous was the fact the salmon nets were everywhere. The job was carried out successfully and without accidents.

The last weekend in June seven divers were skin diving in the clear water near Maillaig (near Skye). The weather was perfect and the sea was like a mirror. Many underwater color photographs were taken.

We hope to be able to send a team of Scottish divers to Devon, England, in August where the National Spearfishing Contest will be held. The big "but" is finance.

Six divers will represent Great Britain in Portugal on the 31st of August at the International Spearfishing Competition. The final team will be selected at a weekend dive on the Dorset coast (S. England).

Santa Monica, California . . .

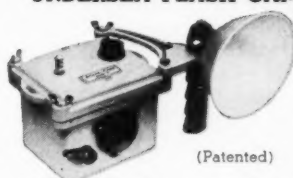
WEEKENDERS

By George Brostrom

Our Weekenders club is proving a need and providing an answer for married couples that want to spend a weekend together diving and socializing. We have over sixty paid members already who are planning their club paid weekend at Catalina on six different weekends this summer. Members provide their own food, sleep on the boat and enjoy a marvelous weekend for practically nothing. Any couples interested in this type of entertainment write to Weekenders, 1731 Cedar St., Santa Monica, Calif. Dues are only \$1.25 a month.

The Surfraiders joined the Weekenders for a trip over the 21st and 22nd of June. Such well known old timers in skin diving as Phil Nourse, Don Dotson, Stan Mitchell and Johnny Logan kept the bull in the bull sessions at a fantastic flow. At least one of them enjoyed the dancing on the boat Saturday night after the charcoal broiled steak dinner on board. The night dive was called off when a search provided only one waterproof flashlight with dead batteries. The water is an enjoyable 65° after the first minute, that is!

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ALL-AMERICAN SKIN DIVING ORGANIZATION

By Alan Iscoe

A three day outing was held on Long Island's north shore during the Memorial weekend. A float was anchored over a quarter mile off-shore on top of a hot spot we located for blackfish. At the end of the day we left the float out there. To our surprise the morning found not only our float in the same place, but a bevy of early morning fishermen using our float as a marker for their lines. I'm glad to report there was no trouble. We dived among them taking our fill before swimming back and leaving the linemen to their task. It was a superb weekend as conditions before this and after have been miserable.

Anyone in the greater Queens area interested in diving can call me at Yellowstone 2-2539 and you will be well received. ☞

St. Petersburg, Florida . . .

CORAL CAVE MEN OF TREASURE ISLAND

By John Stephan

Water temperature—87.8 at 3:25 P.M., Sun., June 8, 1958, water visibility—very good in all areas. The second week of June has been an active one for this club. We held our annual election meeting and elected new officers who are John Stephan, Walter Stephan and Preston Brock.

In addition to this, we had two outings during the week. One was to the mouth of Blind Pass near here. The underwater scenery was quite beautiful. Life was provided by the numerous schools of both large and small fish. Visibility was not good enough for clear pictures since this is one of the few spots in this area with a current. The second outing was to the Weeki Wachee river. This rather narrow river originates at Weeki Wachee spring, one of the famous fresh water springs of Florida. The visibility was out of this world, clearer than the clearest salt water. The writer took both black and white and color underwater pictures. For information on diving along the Suncoast of Florida write to John Stephan, 9901 Gulf Blvd., St. Petersburg 6, Florida. ☞

Hartford, Conn. . . .

CONNECTICUT SEA DEVILS

By Roy Kilroy

An active month has been spent by this club. A dive on the submarine G-2, sunk in 1919 off Niantic, Conn. in 80 feet of water was made by club members and several guests from other organizations. The event went well; several newcomers to skin diving were instructed in the use of scuba; and quite by chance club member Paul Boy made a free ascent from approximately the 70 foot level successfully.

An inter-club spearfishing meet was held at Napatree Point, R.I., May 25th. The Sea Devils 10-man team cornered the market on blacks and came home with a total of 82 points to win the meet. Paul (Eagle-Eye) Boy had largest individual fish with a 9 lb. black and scored 48 points. Art (Sunny) Santos scored 16, Fred (Whichwaydidtheygo) Lichatz 10, and yours truly (youshouldhave-seen . . .) 2. Rumor had it that Paul was using radar, but no equipment was noticed. Clubs entered included The Associated Skin Divers, The Cuda Club, Norwalk Skin Divers, and The Sea Lancers. The meet was two hours duration, and the sea was choppy, bad visibility in the water, and heavily overcast sky.

We'd like to have news of other club activities. Send correspondence to Connecticut Sea Devils, c/o Underwater Sports, Inc., 1751 Park St., Hartford, Conn., Attn: Don Dupont. Safe Diving . . . Good Spearfishing. ☞



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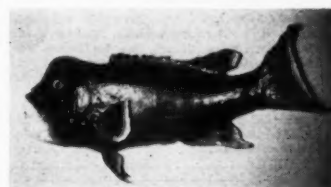
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VANCOUVER SUB AQUATIC CLUB

By Brian McKenzie

The Vancouver Sub Aquatic Club and West Vancouver Kinsmen sponsored its first spear-fishing derby. Unfortunately the water was very muddy thus causing 51 divers to catch only 12 fish.

First prize for the greatest poundage was won by Phil Nuytten, Bob Bamford and Lorne Nicolson of the Vancouver Skin Divers with four cod weighing 18½ pounds. Second prize went to Jim Land, John Fraser and myself for the Sub Aquatics. Jim Land caught the largest fish of the day a 16¾ pound cabezone and the Sub Aquatics won the club trophy.

We would like to thank the divers from Washington and Victoria for taking part in the derby and we are sorry about the murky water. ➤

Los Angeles, Calif. . . .

A. I. D. WORKSHOP CLUB

The American Institute of Diving, Divers' Work Shop Club held its first organizational meeting on June 8th at 3 P.M. at their headquarters in the Case Hotel.

An election of temporary officers was first on the agenda with Orval Blake as president, Jerrold Evans, vice president, Marie Hileman, treasurer and Marilyn Dobloff, secretary.

In addition to the election of officers the constitutional committee was formed and the basic charter is in the process of development and will be ready for approval at the next meeting.

The next meeting of the club is open to all those who might be interested in joining and they are cordially invited to bring a friend and swimsuit for a "get-together before the meeting" swim. ➤

Bucksport, Maine . . .

BLUE CONTINENT EXPLORERS

By Sandra F. Johnson

The month of May provided many things to do here in Bucksport. During the Civil Defense Air Alarm our club took an active part in the way of planting dummy bombs at the most important places in town. It was our duty to place these bombs during the given time, unseen by anyone. Then the Civil Defense men were to try to intercept us while we were carrying them, planting them, or the like. Our C. D. men did an excellent job of finding these dummy bombs and the people involved.

Another thing that we have been doing during these two months is diving for things lost by fishermen or by the overturning of their boats. This has helped our treasury to a great degree.

An activity coming up is the salvaging of two cannons and other equipment from old boats from the waters of Brooksville. ➤

Detroit, Michigan . . .

BUBBLERS DIVING CLUB

By Gary L. Neely

Our club, formed about three months ago, had its first dive on June 1, 1958. As Michigan weather runs, we had a wet, rainy, day. The dive took place at White Lodge, on Cordley Lake, of which our President, Andy Griffing, is a member. Luckily, we were able to use the Lodge for our picnic.

Visibility was from 15 to 20 feet and we had quite a view. We had a very good dive in spite of the weather. The main event was a treasure hunt which lasted for about 1½ hours. The winners of the dive were Tim Perior and Dick Goodie. The first prize was an engraved plaque. The Booby prize was a cup engraved with "The World's Worst Diver." Name withheld for obvious reasons.

For a new club, we are very happy to be able to boast that we had one of the biggest dives ever staged in the State. There were approximately 120 people in attendance. ➤

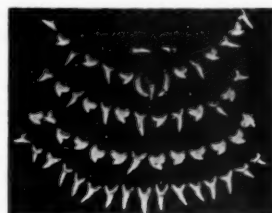
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